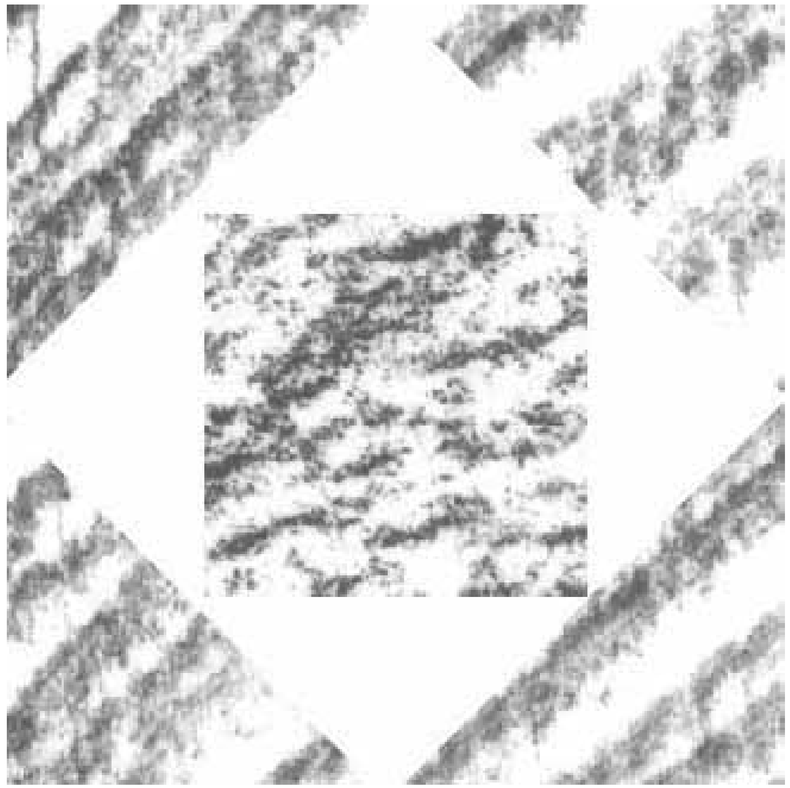

SLCC STUDENT CENTER
THAYNE & ALUMNI CENTERS REMODEL
Salt Lake Community College

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building/Salt Lake City, Utah 84114/538-3018

GRAPHIC SYMBOLS

DTL# / SHT# — BLDG. ELEV. SYMB.

RM NAME / RM# / T/B W/W — RM. NAME/NUMB. RM. FINISH SYMB.

DTL# / SHT# — BLDG. SECT. SYMB.

FIN ELEV — CEIL. FINISH/ELEV. SYMB.

DTL# / SHT# — DETAIL REF. SYMB.

DTL# / SHT# — WALL SECT. SYMB.

DTL# / SHT# — INTR. ELEV. SYMB.

— KEYED NOTE SYMB.

T.O. ELEV — DATUM PT. SYMB.

DR# / HW — DOOR/HDWR. SYMB.

ELEV — SPOT ELEV. SYMB.

WIN# — WINDOW SYMB.

CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2003	National Electrical Code	2005
International Mechanical Code	2003	Uniform Code for Building Conservation	N/A
International Plumbing Code	2003	ADA Accessibility Guildelines	1994
International Fire Code	2003		
International Energy Conservation Code	2003		

A. Occupancy and Group: B

Change in Use: Yes ____ No X Mixed Occupancy: Yes ____ No X

Special Use and Occupancy (e.g. High Rise, Covered Mall): N/A

B. Seismic Design Category: N/A Design Wind Speed: N/A mph

C. Type of Construction (circle one):

I A | I B | II A | (II B) | III A | III B | IV HT | V A | V B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: N/A Nonseparated Uses: N/A

F: Sprinklers:

Required: YES Provided: YES (ON BASEMENT LEVEL ONLY) Type of Sprinkler System: WET

G: Number of Stories: N/A Building Height: N/A

H: Actual Area per Floor (square feet): N/A

I: Tabular Area: N/A

J: Area Modifications:

a) $A_a = A_t + \left[\frac{A_t\, I_f}{100}\right] + \left[\frac{A_t\, I_s}{100}\right]$ $\qquad I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$\frac{\text{Actual Area}}{\text{Allowable Area}} \le 1$

c) Total Allowable Area for:

1) One Story: N/A
2) Two Story: $A_a(2)$ N/A
3) Three Story: $A_a(3)$ N/A

d) Unlimited Area Building: Yes ____ No ____ Code Section: ____

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	N/A		Floors - Ceiling Floors	N/A	
Interior Bearing Walls	N/A		Roofs - Ceiling Roofs	N/A	
Exterior Non-Bearing Walls	N/A		Exterior Doors and Windows	N/A	
Structural Frame	N/A		Shaft Enclosures	N/A	
Partitions - Permanent	N/A		Fire Walls	N/A	
Fire Barriers	N/A		Fire Partitions	N/A	
			Smoke Partitions		

L. Design Occupant Load: 20

Exit Width Required: 4" Exit Width Provided: 36"

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) N/A (f) N/A Provided (m) 0 (f) 0
b) Lavatories - Required (m) N/A (f) N/A Provided (m) 0 (f) 0
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: N/A Service Sinks: N/A

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
   a) High Rise Requirements.
   b) Atriums.
   c) Performance Based Criteria.
   d) Means or Egress Analysis.
   e) Fire Assembly Locator Sheet.
   f) Exterior and Interior Accessibility Route.
   g) Fire Stopping, Including Tested Design Number.

DRAWING INDEX

GENERAL NOTES

1. ALL DIMENSIONS & EXISTING CONDITIONS IN AREAS OF WORK ARE TO BE FIELD VERIFIED PRIOR TO COMMENCING WORK - ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO COMMENCING WORK.

2. PROTECT ALL AREAS & SURFACES ADJACENT TO DEMOLITION & CONSTRUCTION. PATCH & REPAIR ANY DAMAGE OR HOLES IN WALLS, CEILINGS & FLOORS RESULTING FROM THE DEMOLITION OF EXISTING ITEMS OR THE CONSTRUCTION OF NEW ITEMS.

3. NOTED AREAS INDICATED THE GENERAL EXTENT OF DEMOLITON. THE CONTRACTOR'S CHOICE OF MEANS & METHODS OF CONSTRUCTION MAY REQUIRE MORE OR LESS DEMOLITION. THE MEANS & METHODS OF DEMOLITION & CONSTRUCTION MUST BE ACCOUNTED FOR IN THE CONTRACTOR'S BID. ANY DEMOLITION & REPAIR TO ADJACENT SURFACES BEYOND THE AREAS INDICATED IN THE CONTRACT DOCUMENTS WILL NOT BE COMPENSATED FOR AFTER THE BID OPENING.

4. PRIOR TO THE START OF DEMOLTION, THE CONTRACTOR IS TO MEET WITH THE OWNER & ARCHITECT TO IDENTIFY ALL ITEMS TO BE DEMOLISHED & REMOVED FROM SITE, ITEMS TO BE REMOVED & RETURNED TO THE OWNER, OR ITEMS TO BE REMOVED & REINSTALLED.

5. 72-HOUR NOTICE IS REQUIRED FOR ANY UTILITY SHUT DOWN.

6. PRIOR TO BIDDING, THE CONTRACTOR IS TO SURVEY THE EXISTING WALL CONDITIONS. ALL EXISTING NAILS, SCREWS, ABANDONED FASTENERS & HARDWARE IN THE WALLS INDICATED TO REMAIN ARE TO BE REMOVED & THE HOLES PATCHED. IN ADDITION, ALL DAMAGE TO EXISTING WALLS IS TO BE PATCHED & REPAIRED AS PART OF THE BASE BID.

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ELECTRICAL ENGINEER
BNA Consulting Engineers II
635 South State Street
Salt Lake City, Utah 84111
801-532-2196/FAX-532-2305

GENERAL ABBREVIATIONS

ACT.	ACCOUSTIC CEILING TILE	EXIST.	EXISTING	MATL.	MATERIAL	RET.	RETAINING
ALT.	ALTERNATE	EQ.	EQUAL	MAS.	MASONRY	REV.	REVISED
ALUM.	ALUMINUM	EQUIP.	EQUIPMENT	MAINT.	MAINTENANCE	R.	RISER
A.B.	ANCHOR BOLT	EXIST.	EXISTING	MFR.	MANUFACTURER	R.D.	ROOF DRAIN
&	AND	EXP.	EXPANSION	M.H.	MANHOLE	RM.	ROOM
ARCH.	ARCHITECTURAL	EXT.	EXTERIOR	M.O.	MASONRY OPENING	R.O.	ROUGH OPENING
@	AT OR AT THE			MAX.	MAXIMUM		
		FIN.	FINISH	MECH.	MECHANICAL	SCHED.	SCHEDULE
BM.	BEAM	F.A.	FIRE ALARM	MEMB.	MEMBRANE	SEAL.	SEALANT
BLK.	BLOCK	F.E.	FIRE EXTINGUISER	MEN	MENS TOILET	SECT.	SECTION
BLKG.	BLOCKING	F.E.C.	F.E. CABINET	MTL./MET.	METAL	S.SK.	SERVICE SINK
BD.	BOARD	FLR./FL.	FLOOR	MIN.	MINIMUM	SHT.	SHEET
BOT.	BOTTOM	F.D.	FLOOR DRAIN	MIR.	MIRROR	SIM.	SIMILAR
BLDG.	BUILDING	F.O.S.	FACE OF STUD	MISC.	MISCELLANEOUS	SL./SLP.	SLOPE
		F.O.W.	FACE OF WALL	MTD.	MOUNTED	S.C.	SOLID CORE
CPT.	CARPET	FTG.	FOOTING	MUL.	MULLION	SPEC.	SPECIFICATIONS
CLKG.	CAULKING	FDN.	FOUNDATION			SQ.	SQUARE
C.I.	CAST IRON	F.F.	FINISH FLOOR	NOM.	NOMINAL	STD.	STANDARD
CLG.	CEILING			N.	NORTH	STL.	STEEL
CEM.	CEMENT	GALV	GALVANIZED	N.I.C.	NOT IN CONTRACT	STOR.	STORAGE
CTR.	CENTER	G.I.	GALVANIZED IRON	N.T.S.	NOT TO SCALE	STRUCT	STRUCTURAL/STRUCTURE
CL	CENTER LINE	GA.	GAUGE	NO.	NUMBER	SYM.	SYMMETRICAL
CER.	CERAMIC	GL.	GLASS				
C.T.	CERAMIC TILE	GR.	GRADE	OR #	ORDINATE NUMBER	T.B.R.	TO BE REMOVED
CLR.	CLEAR (ANCE)	GND.	GROUND	OFF.	OFFICE	TEL.	TELEPHONE
CLO.	CLOSET	GYP.	GYPSUM BOARD	O.C.	ON CENTER	TEMP.	TEMPORARY / TEMPERED
COL.	COLUMN	BD.	GYPSUM WATERPROOF BOARD	OPNG.	OPENING	THK.	THICK (NESS)
CONC.	CONCRETE	GWB		OPP.	OPPOSITE	T & G	TONGUE AND GROOVE
CMU	CONCRETE MASONRY UNIT			OPP. H.	OPPOSITE HAND	T/CONC	TOP OF CONCRETE
CMP	CORRUGATED METAL PIPE	H.D.P.E.	HIGH DENSITY POLYETHYLENE HARDWARE GROUP # HARDWOOD	O.D.	OUTSIDE DIAMETER	T/CURB	TOP OF CURB
CONN.	CONNECTION	HG#		O.R.D.	OVERFLOW ROOF DRAIN	T.O. FTG.	TOP OF FOOTING
CONSTR.	CONSTRUCTION	HDWD.				T.O.P.	TOP OF PLATE
CONT.	CONTINUE/CONTINUOUS	HT.	HEIGHT	PTD. -E	PAINTED EPOXY	T/WALL	TOP OF WALL
CONTR.	CONTRACTOR	H.P.	HIGH POINT	PTD.	PAINTED	T.	TREAD
C.J.	CONTROL JOINT	HORIZ.	HORIZONTAL	PR.	PAIR	TYP.	TYPICAL
CORR.	CORRIDOR	H.B.	HOSE BIBB	PART.	PARTITION		
CNTR.	COUNTER	H.M.	HOLLOW METAL	PED.	PEDESTRIAN	UNF.	UNFINISHED
CTSK.	COUNTERSUNK	HR.	HOURS (FIRE RATING)	PLAS.	PLASTER	U.N.O.	UNLESS NOTED OTHERWISE
				P. LAM.	PLASTIC LAMINATE		
DET.	DETAIL	IN.	INCH	PL	PLATE	VAR.	VARY OR VARIES
DEPT.	DEPARTMENT	I.D.	INSIDE DIAMETER	PLYWD.	PLYWOOD	VERT.	VERTICAL
DIA.	DIAMETER	INSUL.	INSULATION	PT.	POINT	V.T.R.	VENT THROUGH ROOF
DIM.	DIMENSION	INT.	INTERIOR			VCT	VINYL COMPOSITION TILE
DN.	DOWN	I.E.	INVERT ELEVATION	Q.T.	QUARRY TILE		
D.S.	DOWNSPOUT	INV.				W/	WITH
DWG.	DRAWING			RAD.	RADIUS	W.A.S.	WELDED ANCHOR STUD
D.F.	DRINKING FOUNTAIN	JAN.	JANITOR	R.B.	RUBBER BASE	WD.	WOOD
		JT.	JOINT	R.W.L.	RAIN WATER LEADER	WP.	WATERPROOF
E.	EAST	J-BOX	JUNCTION BOX	R.F.F.	REFERENCE FINISH FLOOR	WSCT.	WAINSCOT
EA.	EACH			REFL.	REFLECTED	W/O	WITHOUT
ELEC.	ELECTRIC (AL)	KIT.	KITCHEN	REINF.	REINFORCING	W.P.	WORKING POINT
ELEV./EL.				REQ.	REQUIRED	W.R.	WATER RESISTANT
		LAM.	LAMINATE			W.I.	WROUGHT IRON
		LAV.	LAVATORY				
		LT.	LIGHT				
		L.P.	LOW POINT				

MATERIALS LEGEND

EARTH — GRAVEL

SAND — CONCRETE

CONCRETE W/ ARCH. FINISH — CAST STONE

CMU — MARBLE

BRICK — GRANITE

LIMESTONE — STONE

WOOD (BLOCKING) — PLYWOOD

WOOD FRAMING — WOOD FINISH

STEEL — ALUMINUM

RIGID INSULATION — BATT INSULATION

PLASTER — ACOUSTICAL TILE

COMPRESSIBLE FILLER — BACKER ROD AND FILLER

METAL LATH — GYPSUM BOARD

FENCE — TO REMOVE

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CONSULTANT

MARK	DATE	DESCRIPTION

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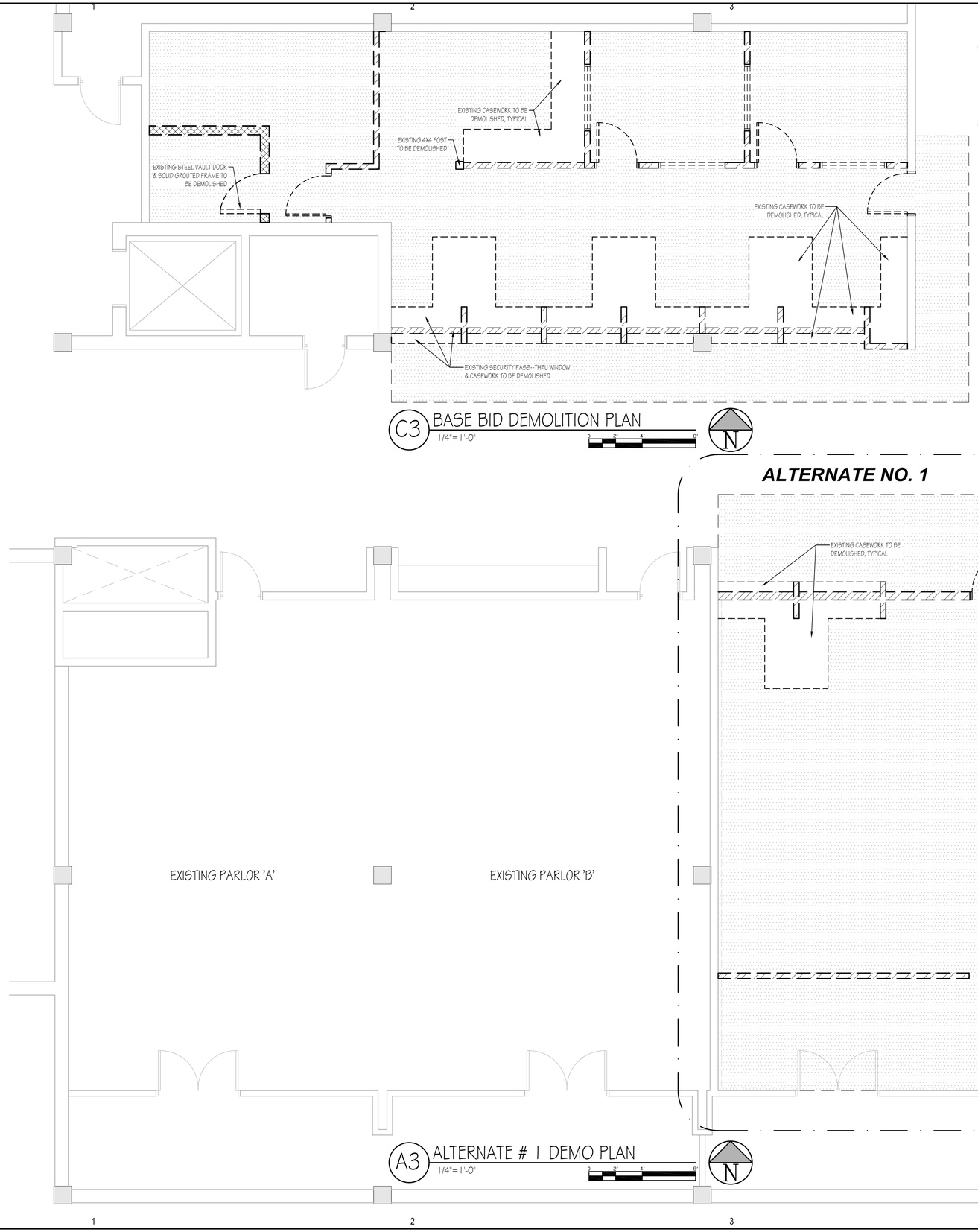
CHECKED BY:	BWS
DESIGNED BY:	RLS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION BID SET

SHEET TITLE

COVER SHEET, GENERAL INFO, & SHEET INDEX

GI100

SHEET 1 OF 20



PLAN DEMOLITION LEGEND

- EXISTING WOOD DOOR & H.M. FRAME TO BE DEMOLISHED, TYPICAL
- EXISTING H.M. WINDOW FRAME & GLAZING TO BE DEMOLISHED, TYPICAL
- EXISTING FLOOR FINISH & BASE TO BE DEMOLISHED, TYPICAL

PARTITION LEGEND

- EXISTING STUD WALL TO REMAIN, TYPICAL
- EXISTING STUD WALL W/ HDWD SLAT FINISH TO REMAIN, TYPICAL
- EXISTING REINFORMED & GROUTED MASONRY WALL TO BE DEMOLISHED, TYPICAL
- EXISTING STUD WALL TO BE DEMOLISHED, TYPICAL
- EXISTING STUD WALL TO BE DEMOLISHED ABOVE & BELOW EXISTING CASEWORK, TYPICAL
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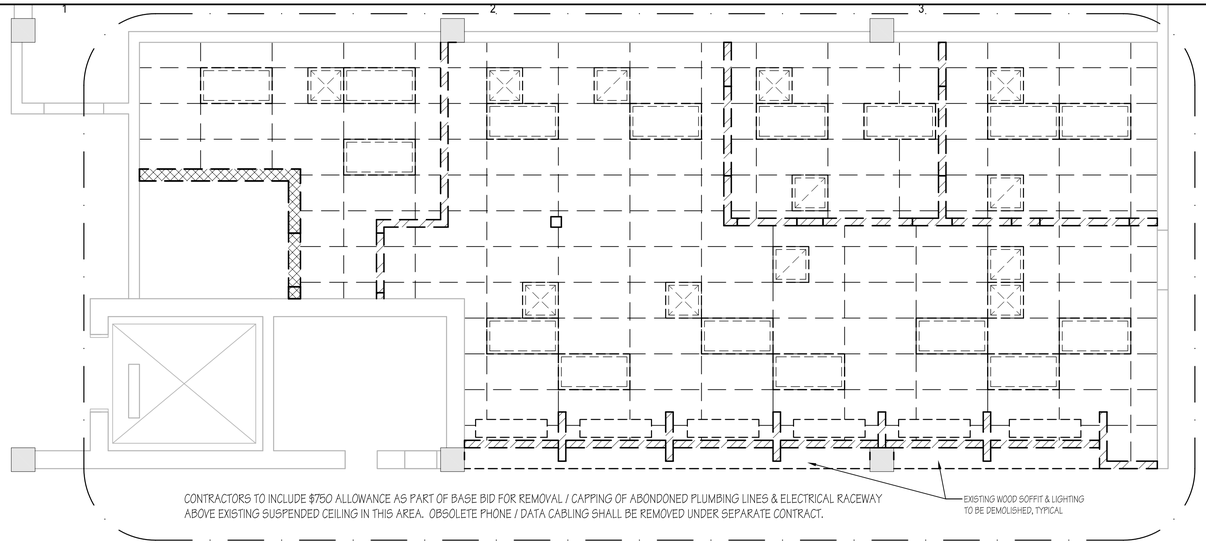
DEMOLITION PLAN

AD101

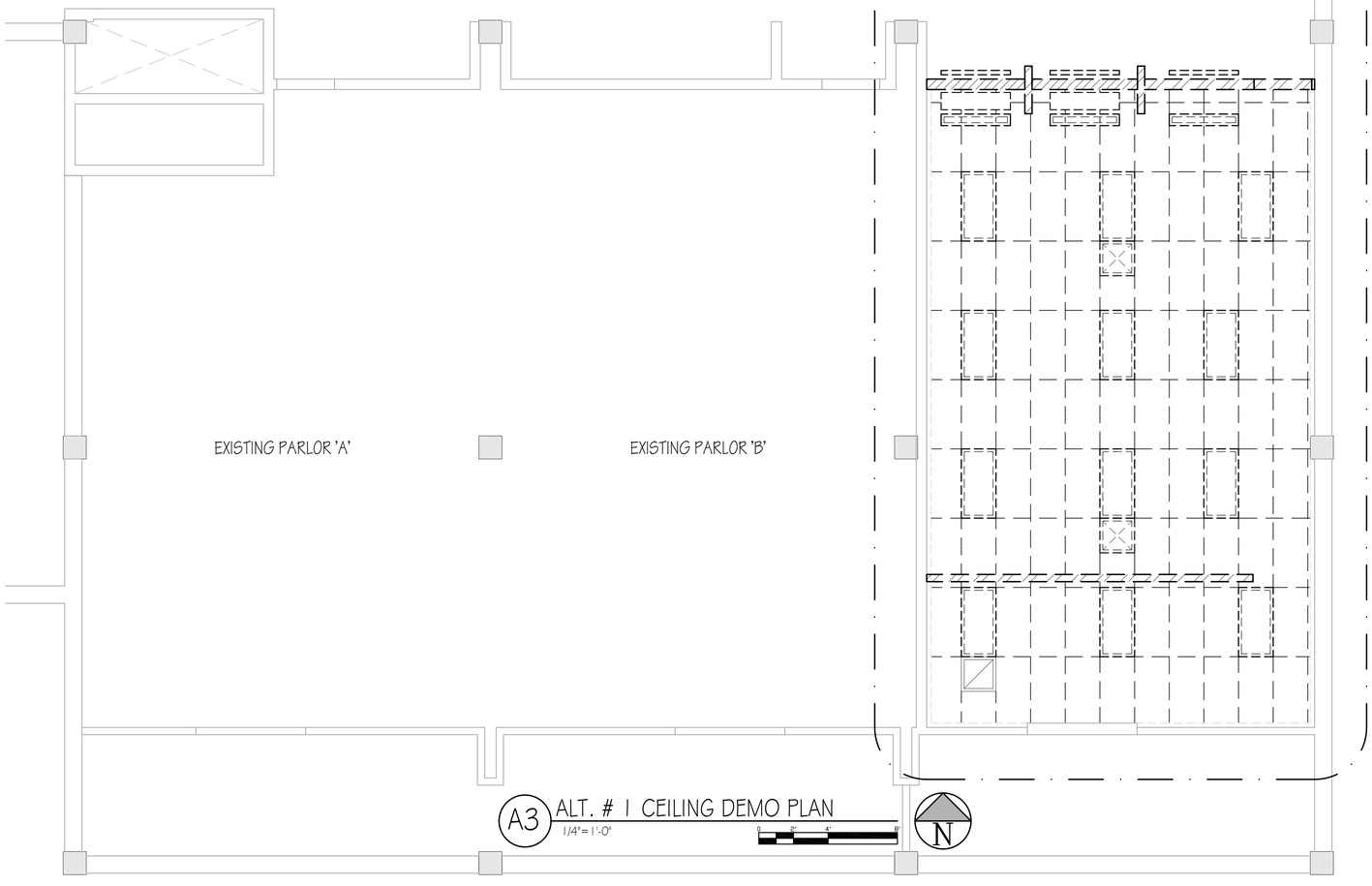
SHEET 2 OF 20



C3 BASE BID REFLECT. CEIL. PLAN
1/4" = 1'-0"

N

ALTERNATE NO. 1



A3 ALT. # 1 CEILING DEMO PLAN
1/4" = 1'-0"

N

CEILING DEMOLITION LEGEND

- EXISTING 2X4 LAY-IN CEILING SYSTEM TO BE DEMOLISHED
- EXISTING OVERHEAD COILING DOOR, FRAME, & MOTOR TO BE DEMOLISHED
- EXISTING LIGHT FIXTURE TO BE REMOVED, SEE ELECTRICAL DRAWINGS
- EXISTING RETURN GRILLE TO BE REMOVED, SEE MECHANICAL DRAWINGS
- EXISTING SUPPLY GRILLE TO BE REMOVED, SEE MECHANICAL DRAWINGS

PARTITION LEGEND

- EXISTING STUD WALL TO REMAIN, TYPICAL
- EXISTING STUD WALL W/ HDWD SLAT FINISH TO REMAIN, TYPICAL
- EXISTING REINFORMED & GROUTED MASONRY WALL TO BE DEMOLISHED, TYPICAL
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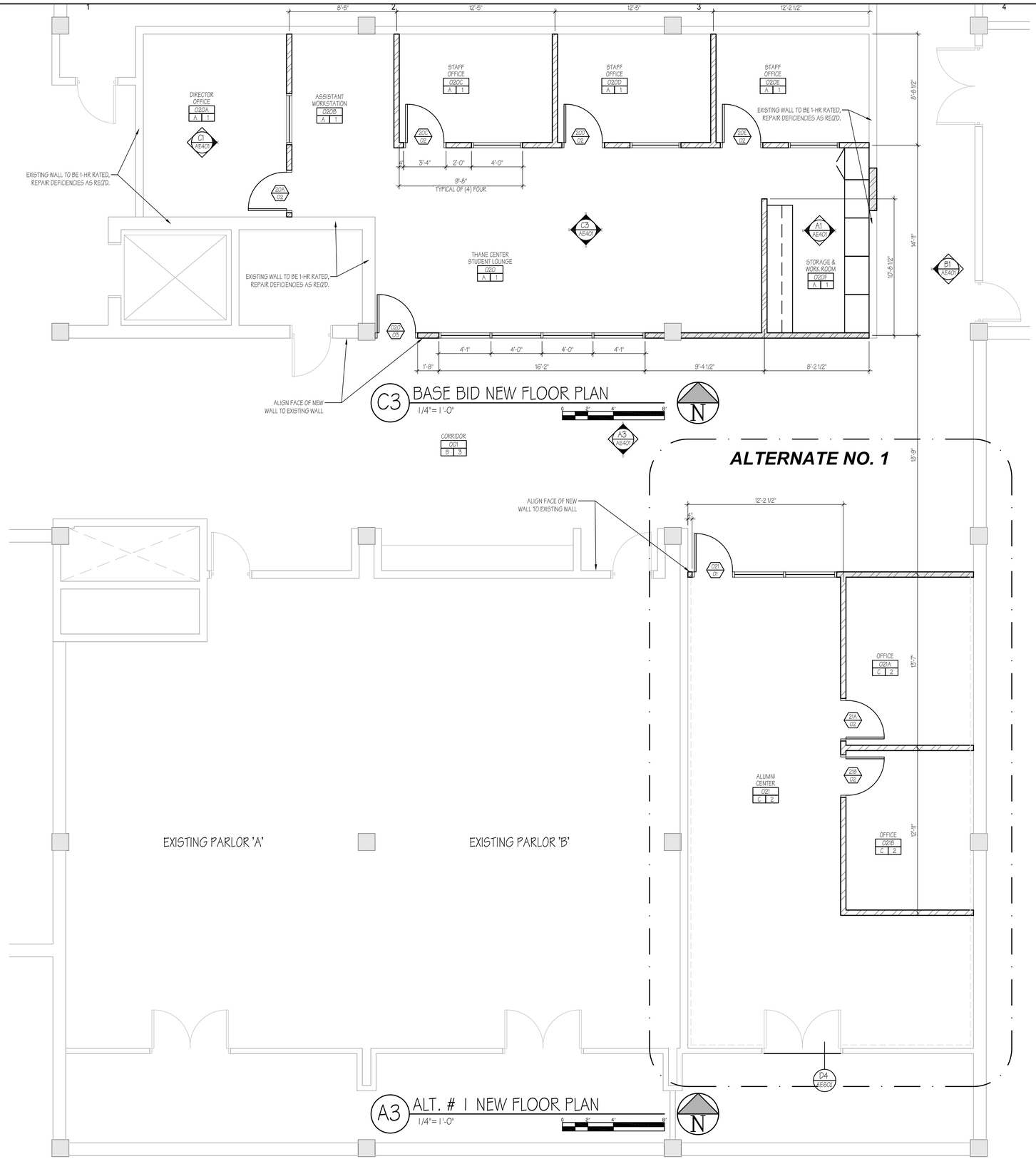
SHEET TITLE

REFLECTED CEILING DEMOLITION PLAN

AD111

SHEET 3 OF 20



FINISH LEGEND

ROOM NAME
FLOOR / BASE | RM NUM | WALL
F | W

A. NEW CARPET TILE TO MATCH EXISTING IN CORRIDOR W/ NEW 4" RUBBER BASE	1. PAINT NEW & EXISTING GYPSUM BOARD WALLS
B. EXISTING CARPET TILE W/ NEW CARPET TILE TO MATCH EXISTING, EXISTING 4" RUBBER BASE W/ NEW 4" RUBBER BASE TO MATCH EXISTING	2. PAINT NEW GYPSUM BOARD WALLS, EXISTING WALLS W/ HDWD SLATS TO REMAIN, PROTECT DURING NEW CONSTRUCTION & PAINTING
C. NEW CARPET TILE TO MATCH EXISTING IN CORRIDOR W/ NEW 4" RED OAK BASE W/ CLEAR FINISH	3. PAINT NEW & EXISTING GYPSUM BOARD WALLS ADD NEW RED OAK CHAIR RAIL W/ FINISH TO MATCH EXISTING ON NEW WALLS

PARTITION LEGEND

- EXISTING STUD WALL TO REMAIN, TYPICAL
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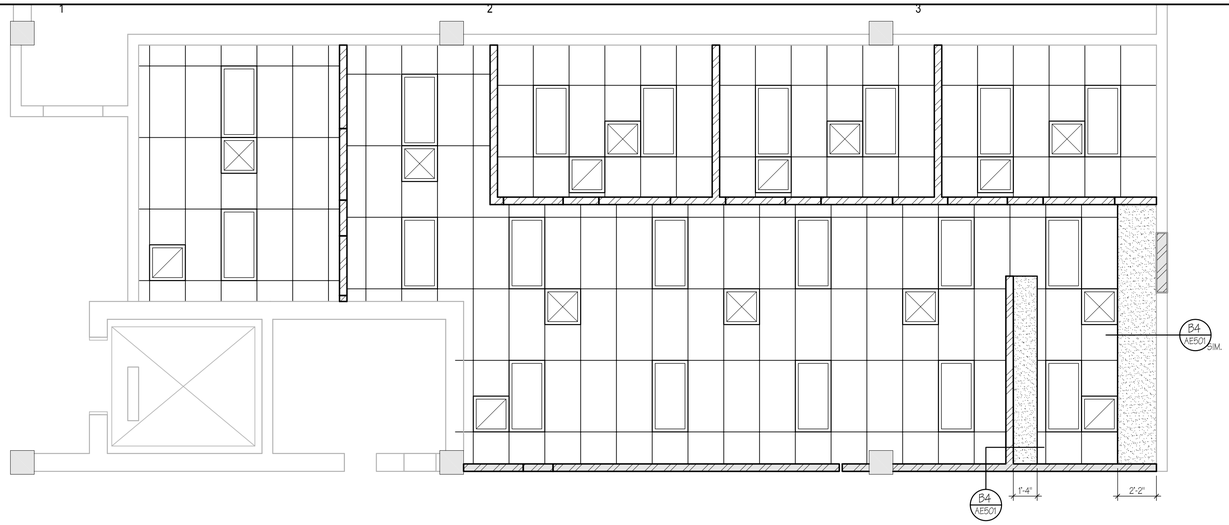
SHEET TITLE

NEW FLOOR PLAN

AE101

SHEET 4 OF 20



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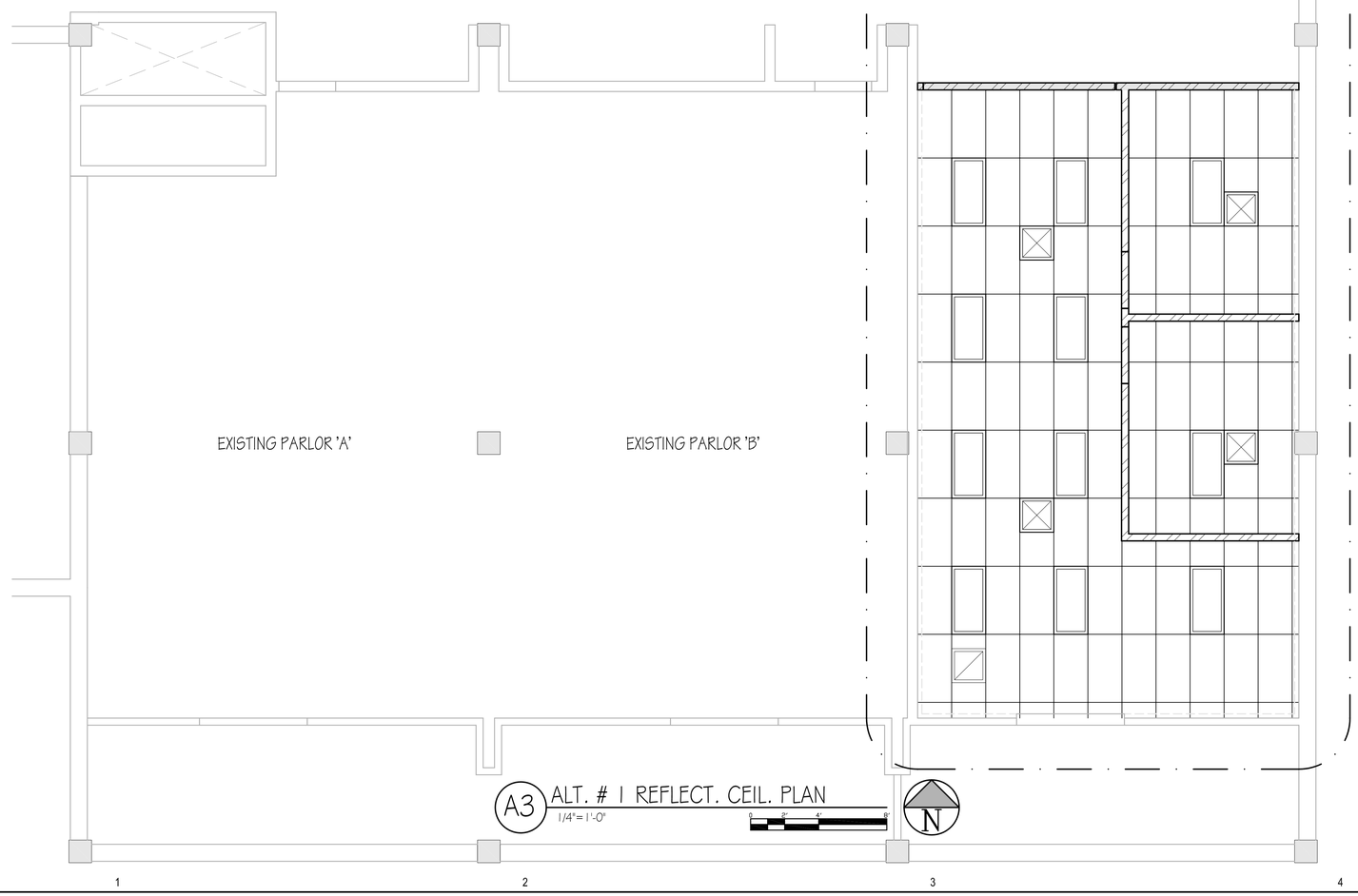

ALTERNATE NO. 1

A3 ALT. # 1 REFLECT. CEIL. PLAN
1/4" = 1'-0"

CEILING PLAN LEGEND

- NEW 2X4 LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- NEW SUPPLY GRILLE, SEE MECHANICAL DRAWINGS
- NEW RETURN AIR GRILLE, SEE MECHANICAL DRAWINGS
- NEW SUSPENDED 2X4 CEILING GRID & PANELS
- NEW FRAMED, METAL STUD & 5/8" GYPSUM BOARD SOFFITS, PAINTED

PARTITION LEGEND

- EXISTING STUD WALL TO REMAIN, TYPICAL
- EXISTING STUD WALL W/ HDWD SLAT FINISH TO REMAIN, TYPICAL
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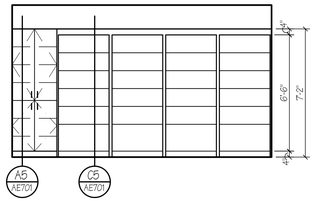
SHEET TITLE

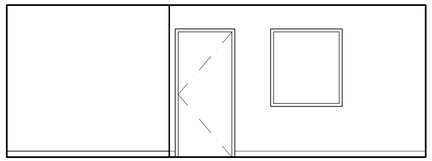
NEW REFLECTED CEILING PLAN

AE111

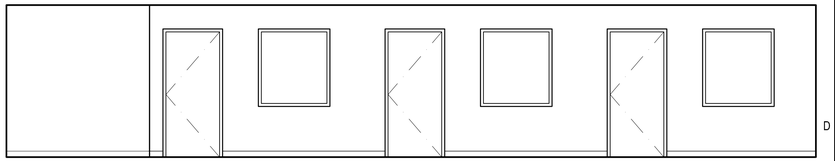
SHEET 5 OF 20



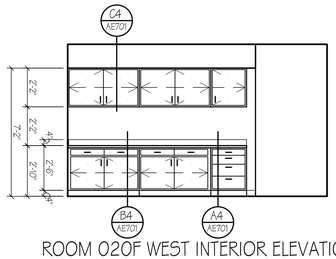
ROOM 020F EAST INTERIOR ELEVATION



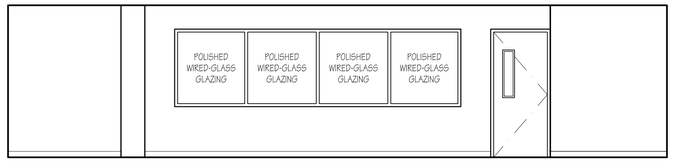
ROOM 020 WEST INTERIOR ELEVATION



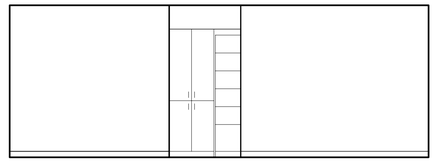
ROOM 020 NORTH INTERIOR ELEVATION



ROOM 020F WEST INTERIOR ELEVATION



ROOM 020 SOUTH INTERIOR ELEVATION



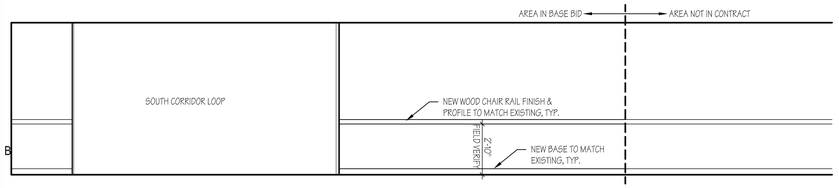
ROOM 020 EAST INTERIOR ELEVATION

C2 ROOM 202F INTERIOR ELEVATIONS

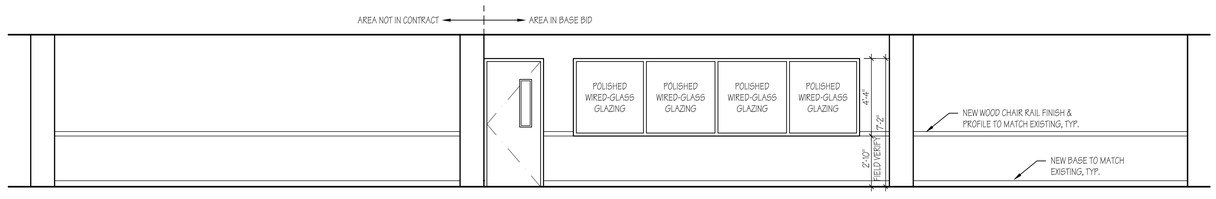
1/4" = 1'-0"

C4 ROOM 020 INTERIOR ELEVATIONS

1/4" = 1'-0"



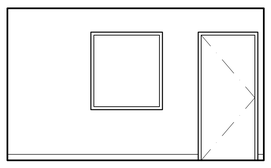
CORRIDOR WEST INTERIOR ELEVATION



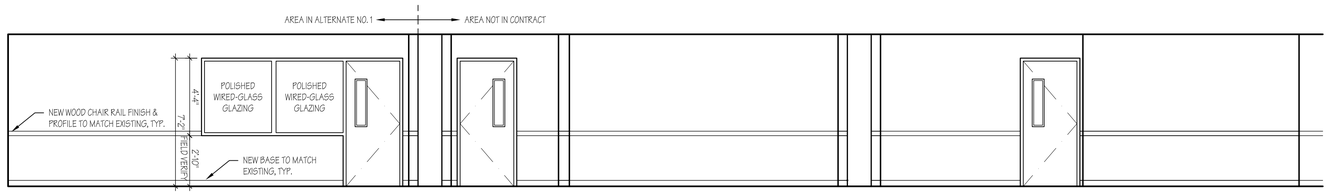
CORRIDOR NORTH INTERIOR ELEVATION

B1 CORRIDOR INTERIOR ELEVATION

1/4" = 1'-0"



ROOM 020A EAST INTERIOR ELEVATION



CORRIDOR SOUTH INTERIOR ELEVATION

A1 ROOM 020A INTERIOR ELEVATION

1/4" = 1'-0"

A3 CORRIDOR INTERIOR ELEVATIONS

1/4" = 1'-0"

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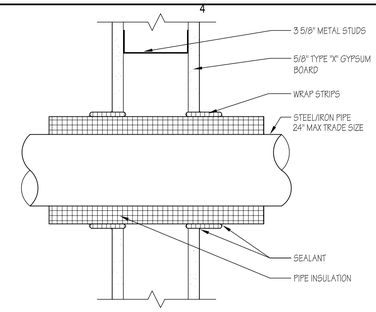
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION BID SET

SHEET TITLE

INTERIOR ELEVATIONS

AE401

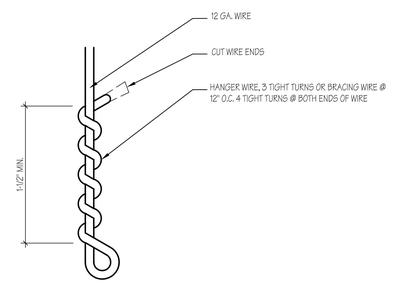
SHEET 6 OF 20



UL DESIGN WL1010 W/O PIPE INSULATION
UL DESIGN WL5032 W/ PIPE INSULATION

D4 TYPICAL FIRE STOPPING DETAIL

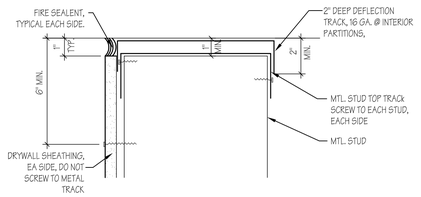
3" = 1'-0"



SUSPENDED ACOUSTICAL CEILING HANGER OR BRACE WIRE

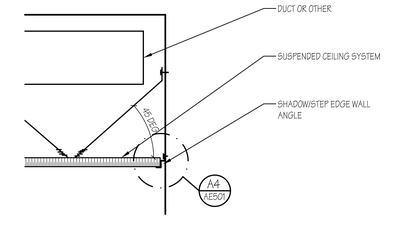
D5 TYPICAL SUSPENDED CEILING DETAIL

N.T.S.



C4 TYPICAL FIRE CAULKING DETAIL

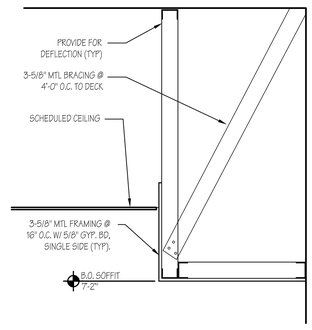
3" = 1'-0"



NOTE: WHEN DUCT OR OTHER OBSTRUCTION PREVENTS SPLAY WIRE ATTACHED AT CEILING, OR IF 45□ CANNOT BE ACHIEVED THE USE OF SIDEWALL MAY BE USED.

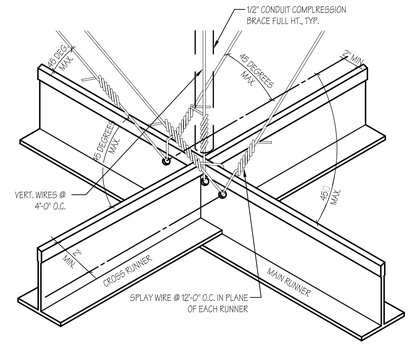
C5 TYPICAL SUSPENDED CEILING DETAIL

N.T.S.



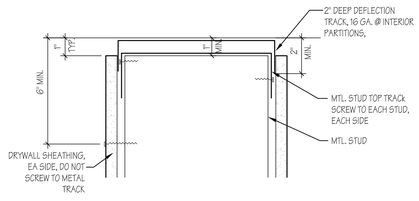
B4 SOFFIT SECTION

3/4" = 1'-0"



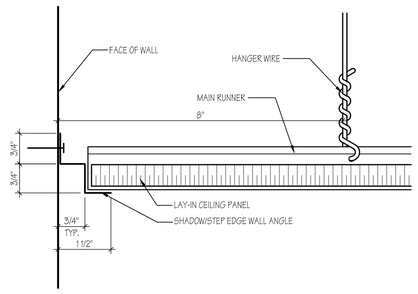
B5 TYPICAL SUSPENDED CEILING DETAIL

N.T.S.



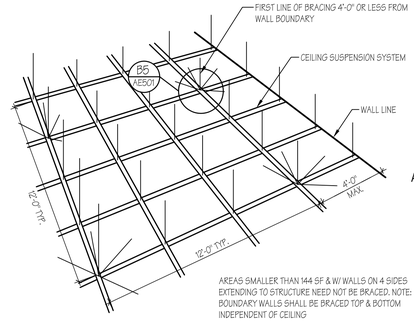
A3 TYPICAL DEFLECTION DETAIL

3" = 1'-0"



A4 SUSPENDED CEILING EDGE DETAIL

6" = 1'-0"



AREAS SMALLER THAN 144 SF & W/ WALLS ON 4 SIDES EXTENDING TO STRUCTURE NEED NOT BE BRACED. NOTE: BOUNDARY WALLS SHALL BE BRACED TOP & BOTTOM INDEPENDENT OF CEILING

A5 TYPICAL SUSPENDED CEILING DETAIL

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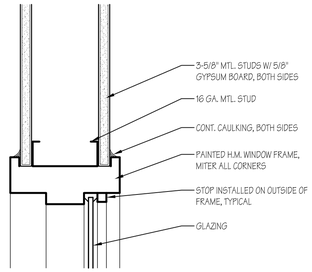
SHEET TITLE

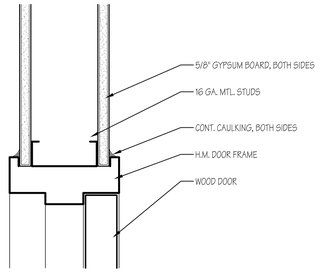
CEILING & MISC. DETAILS

AE501

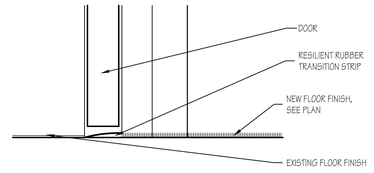
SHEET 7 OF 20



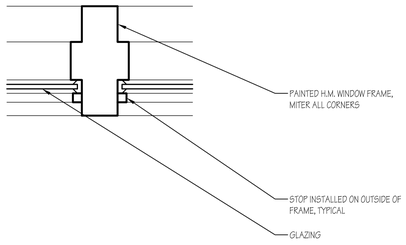
D2 H.M. WINDOW HEAD DETAIL
3"= 1'-0"



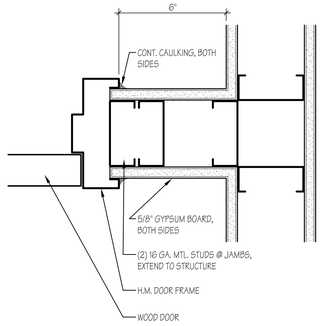
D3 H.M. DOOR HEAD DETAIL
3"= 1'-0"



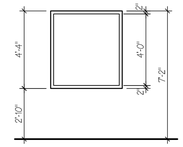
D4 THRESHOLD DETAIL
3"= 1'-0"

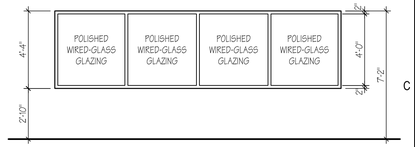


C2 H.M. WINDOW MULLION DETAIL
3"= 1'-0"

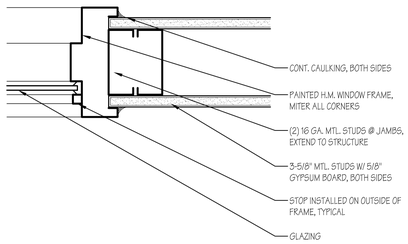


C3 H.M. DOOR JAMB DETAIL
3"= 1'-0"

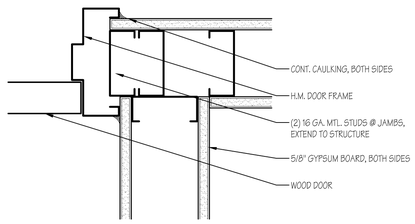




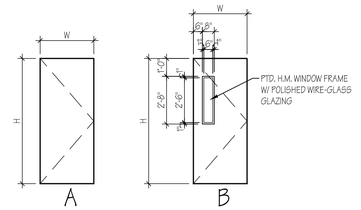
C4 WINDOW FRAME TYPES
1/4"= 1'-0"



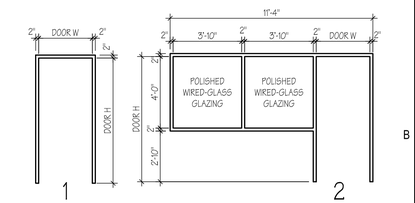
B2 H.M. WINDOW JAMB DETAIL
3"= 1'-0"



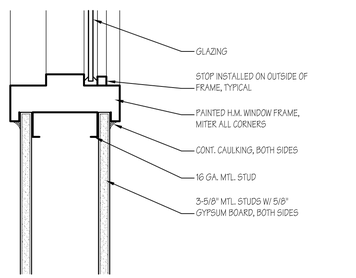
B3 H.M. DOOR JAMB DETAIL
3"= 1'-0"



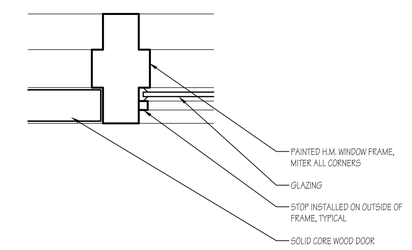
B4 DOOR TYPES
1/4"= 1'-0"



B5 FRAME TYPES
1/4"= 1'-0"



A2 H.M. WINDOW SILL DETAIL
3"= 1'-0"



A3 H.M. DOOR JAMB DETAIL
3"= 1'-0"

A4 DOOR SCHEDULE
N.T.S.

DOOR SCHEDULE

DOOR NUMB.	DOOR						FRAME						
	TYPE	MATERIAL	FIINISH	DOOR SIZE			TYPE	MATERIAL	FINISH	UL LABEL	DETAILS		
				W	H	T					H	J	T
020	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	1	HM	PAINT	20 MIN.	D3/AE601	B3-C3/AE601	--
20A	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	1	HM	PAINT	--	D3/AE601	C3/AE601	--
20C	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	1	HM	PAINT	--	D3/AE601	C3/AE601	--
20D	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	1	HM	PAINT	--	D3/AE601	C3/AE601	--
20E	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	1	HM	PAINT	--	D3/AE601	C3/AE601	--
021	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	2	HM	PAINT	20 MIN.	D3/AE601	A3-C3/AE601	--
21A	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	1	HM	PAINT	--	D3/AE601	C3/AE601	--
21B	A	SCW	PRE. FIN.	3'-0"	7'-0"	1-3/4"	1	HM	PAINT	--	D3/AE601	C3/AE601	--

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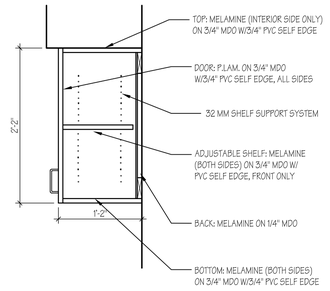
SHEET TITLE

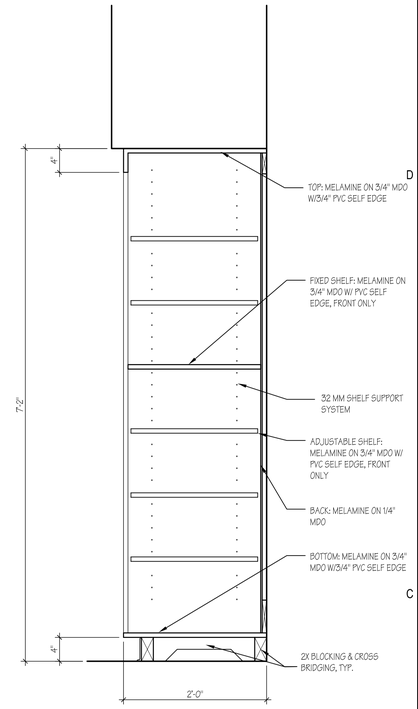
DOOR SCHEDULE, DOOR & WINDOW DETAILS

AE601

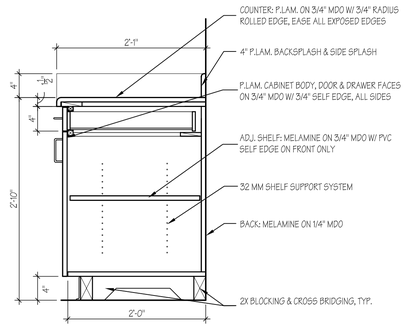
SHEET 8 OF 20



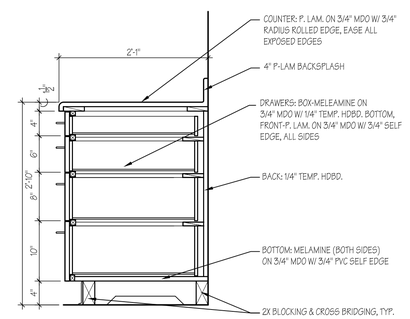
C4 CASEWORK SECTION
1" = 1'-0"



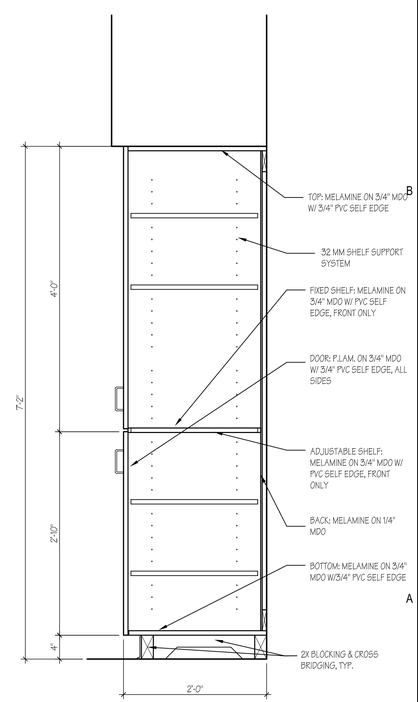
C5 CASEWORK SECTION
1" = 1'-0"



B4 CASEWORK SECTION
1" = 1'-0"



A4 CASEWORK SECTION
1" = 1'-0"



A5 CASEWORK SECTION
1" = 1'-0"

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SHEET TITLE

CASEWORK DETAILS

AE701

SHEET 9 OF 20

MECHANICAL LEGEND

SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION
AIR SIDE			GENERAL TERMINOLOGY		
		EXISTING AIR DUCT TO BE REMOVED	A / ME-101		SECTION LETTER DESIGNATION / SECTION DRAWN ON THIS SHEET
		EXISTING AIR DUCT TO REMAIN			
		NEW AIR DUCT	- / -		DETAIL NUMBER DESIGNATION / DETAIL DRAWN ON THIS SHEET
		RECT. TO RECT. AIR DUCT TAKE-OFF			
		RECT. TO RND. AIR DUCT TAKE-OFF	- / -		MECHANICAL EQUIPMENT DESIGNATION / EQUIPMENT ITEM DESIGNATION
		RND. TO RND. AIR DUCT TAKE-OFF			
		RECT. TAKE-OFF AT END OF MAIN	- / -		REGISTER, GRILLE OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW
		BURIED OR UNDER FLOOR DUCT			
		FLEXIBLE AIR DUCT	-		GRILLE, OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED
		LINED DUCT			
		VANED ELBOW	1		REVISION DESIGNATOR AND NUMBER
		RADIUS ELBOW	1		KEY NOTE DESIGNATOR AND NUMBER
		CONCENTRIC DUCT TRANSITION		POC	POINT OF CONNECTION
		ECCENTRIC DUCT TRANSITION		POR	POINT OF REMOVAL
		FLEXIBLE DUCT CONNECTION	AFF		ABOVE FINISHED FLOOR
		VOLUME DAMPER	AP		ACCESS PANEL
		SUPPLY AIR DIFFUSER	℄ EL.		CENTER LINE ELEVATION
		RETURN AIR, FRESH AIR, AND TRANSFER AIR	INV. ELEV.		INVERT ELEVATION
		CEILING MOUNTED EXHAUST FAN OR EXHAUST GRILLE	GC		GENERAL CONTRACTOR
		RETURN OR OUTSIDE AIR DUCT UP	MC		MECHANICAL CONTRACTOR
		SUPPLY DUCT UP	CC		CONTROL CONTRACTOR
		EXHAUST AIR INTAKE UP	EC		ELECTRICAL CONTRACTOR
		RETURN OR OUTSIDE AIR DUCT DOWN	FPC		FIRE PROTECTION CONTRACTOR
		SUPPLY DUCT DOWN	NIC		NOT IN CONTRACT
		EXHAUST DUCT DOWN	NTS		NOT TO SCALE
		ROUND DUCT UP	VCP		VITRIFIED CLAY PIPE
		ROUND DUCT DOWN	C		COMMON
		RAISE DUCT UP	NC		NORMALLY CLOSED
		LOWER DUCT DOWN	NO		NORMALLY OPEN
		FLEXIBLE DUCT CONNECTION	SA		SUPPLY AIR
		PARALLEL BLADE DAMPER	RA		RETURN AIR
		OPPOSED BLADE DAMPER	EA		EXHAUST AIR
		HUMIDIFIER	OA		OUTSIDE AIR
		AIRFLOW MEASURING STATION	MA		MIXED AIR
		FILTER BANK	FA		FRESH AIR
		COIL	RF		RELIEF AIR
	AP	ACCESS PANEL			
		EXISTING EQUIPMENT TO BE REMOVED			
		EXISTING EQUIPMENT TO REMAIN			
		NEW EQUIPMENT			
M	MVD	MOTORIZED VOLUME DAMPER			
BD	BD	BACKDRAFT DAMPER			
	FD	FIRE DAMPER			
	RD	RADIATION TYPE FIRE DAMPER			
	SD	SMOKE DAMPER			
	FS	FIRE & SMOKE DAMPER			
T	T'STAT	WALL MOUNTED THERMOSTAT			
S		WALL MOUNTED TEMP. SENSOR			
H	H'STAT	WALL MOUNTED HUMIDISTAT			
F	F'STAT	WALL MOUNTED FIRESTAT			

GENERAL NOTES:

G-1 MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING DRAWINGS BY OTHER DISCIPLINES AND SPECIFICATIONS.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

G-2 ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. ARCHITECT SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.

G-3 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

G-4 THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.

G-5 THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

G-6 MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

G-7 SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

G-8 PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

G-9 SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

G-10 PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

G-11 THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

G-12 THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS. MOTOR NAMEPLATE VOLTAGE SHALL BE NEMA STANDARD 200 VOLT FOR 208 VOLT, THREE PHASE SYSTEM AND SHALL BE NEMA STANDARD 230 VOLT FOR 240 VOLT, THREE PHASE, OR SINGLE PHASE SYSTEM. STARTER HEATER INSTALLED SHALL BE COORDINATED WITH THE NAMEPLATE DATA.

G-13 C.F.M. LISTED IS ACTUAL AIR.

G-14 SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

G-15 CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

G-16 ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2003 EDITION OF THE IMC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-17 THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.

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Salt Lake Community College
Redwood Campus
Salt Lake City, Utah

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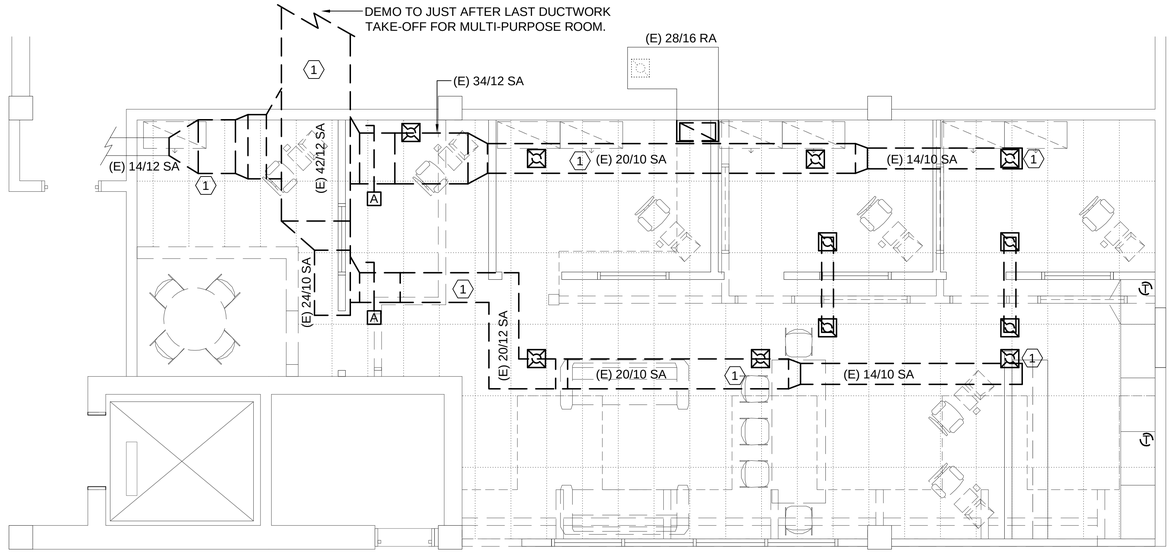
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

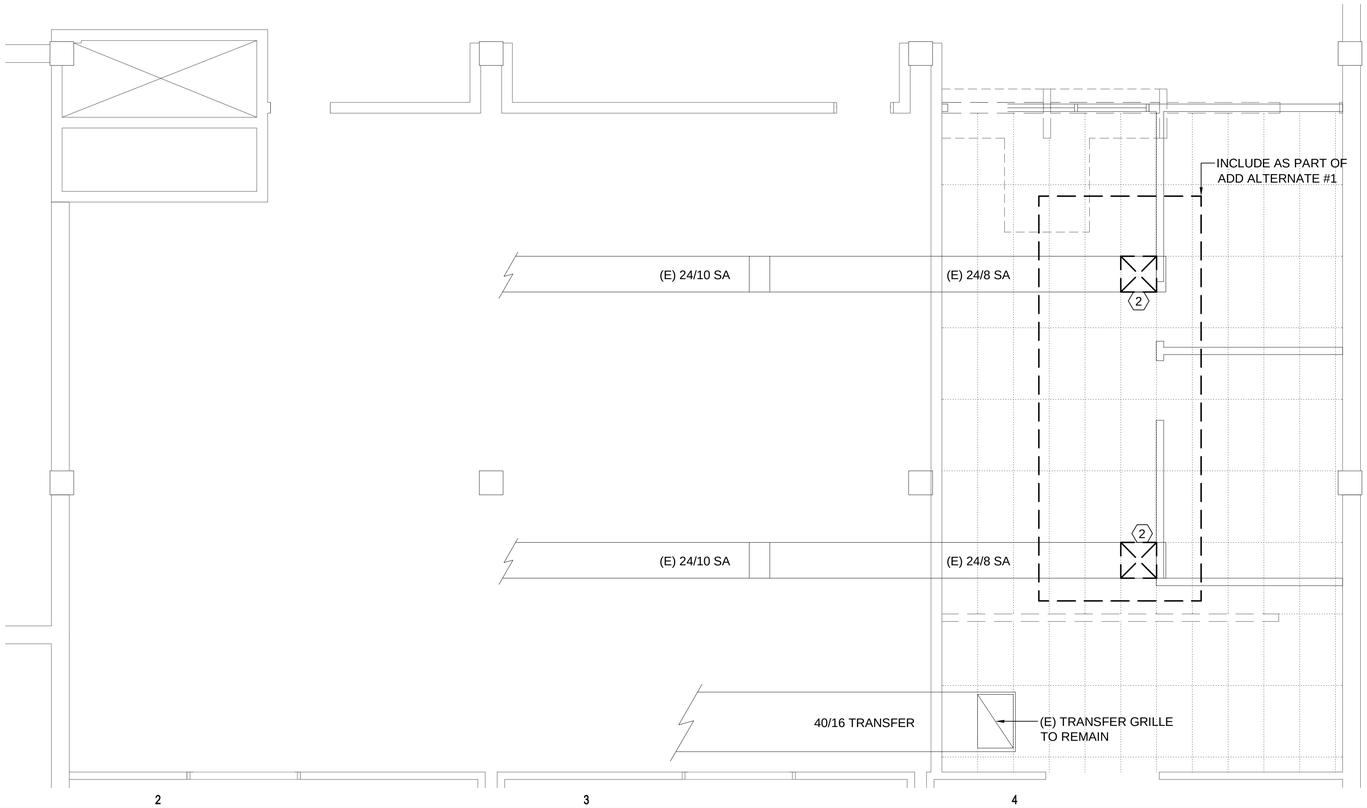
MECHANICAL LEGEND AND GENERAL NOTES

M001



MECHANICAL DEMO PLAN

SCALE: 1/4" = 1'-0"



GENERAL NOTES:

REMOVE SOFT PNEUMATIC LINES FROM EXISTING THERMOSTATS BACK TO HARD PIPE CONNECTION, CAP EXISTING AT HARD PIPE CONNECTION.

SALVAGE THERMOSTATS, DIFFUSERS AND DAMPER ACTUATORS TO BUILDING OWNER.

DEMO SHEET NOTES:

1. REMOVE EXISTING DUCT WORK AND DIFFUSERS AS SHOWN.
2. RELOCATE EXISTING DIFFUSER. PATCH DUCTWORK AS REQUIRED.

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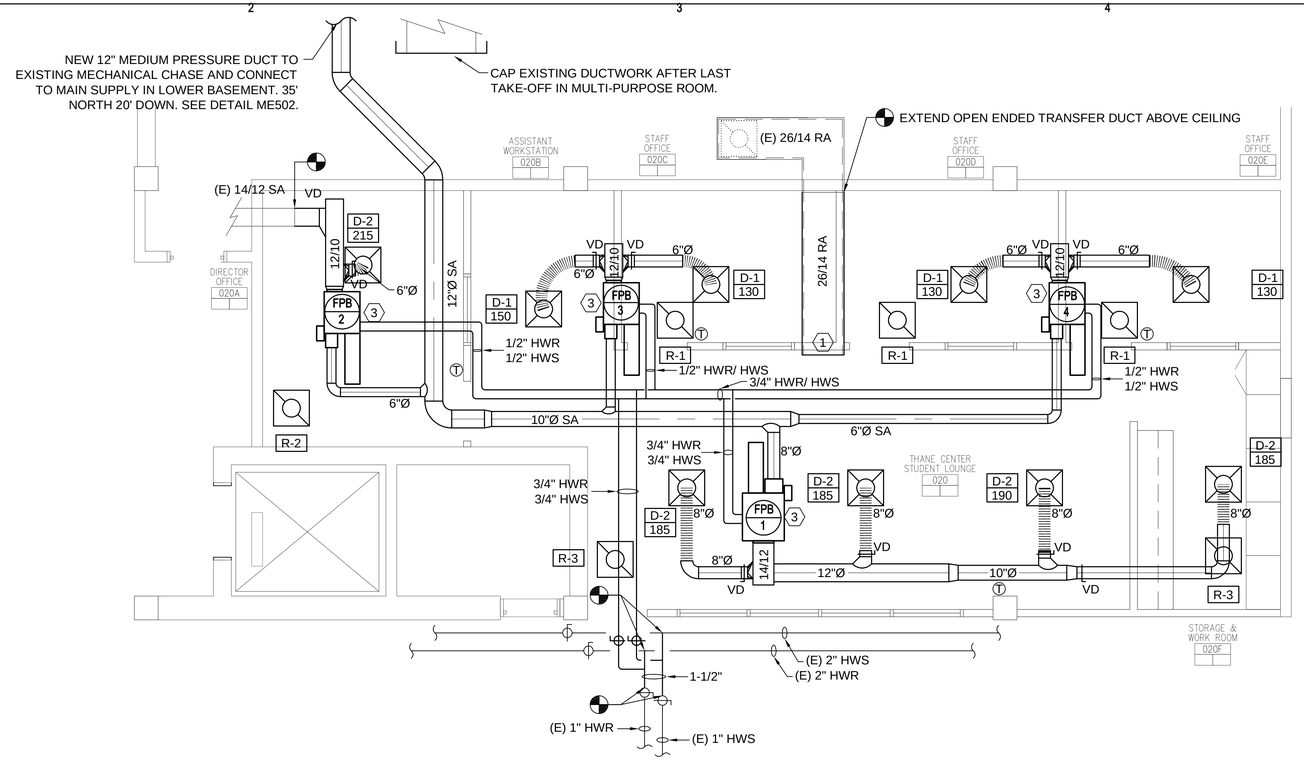
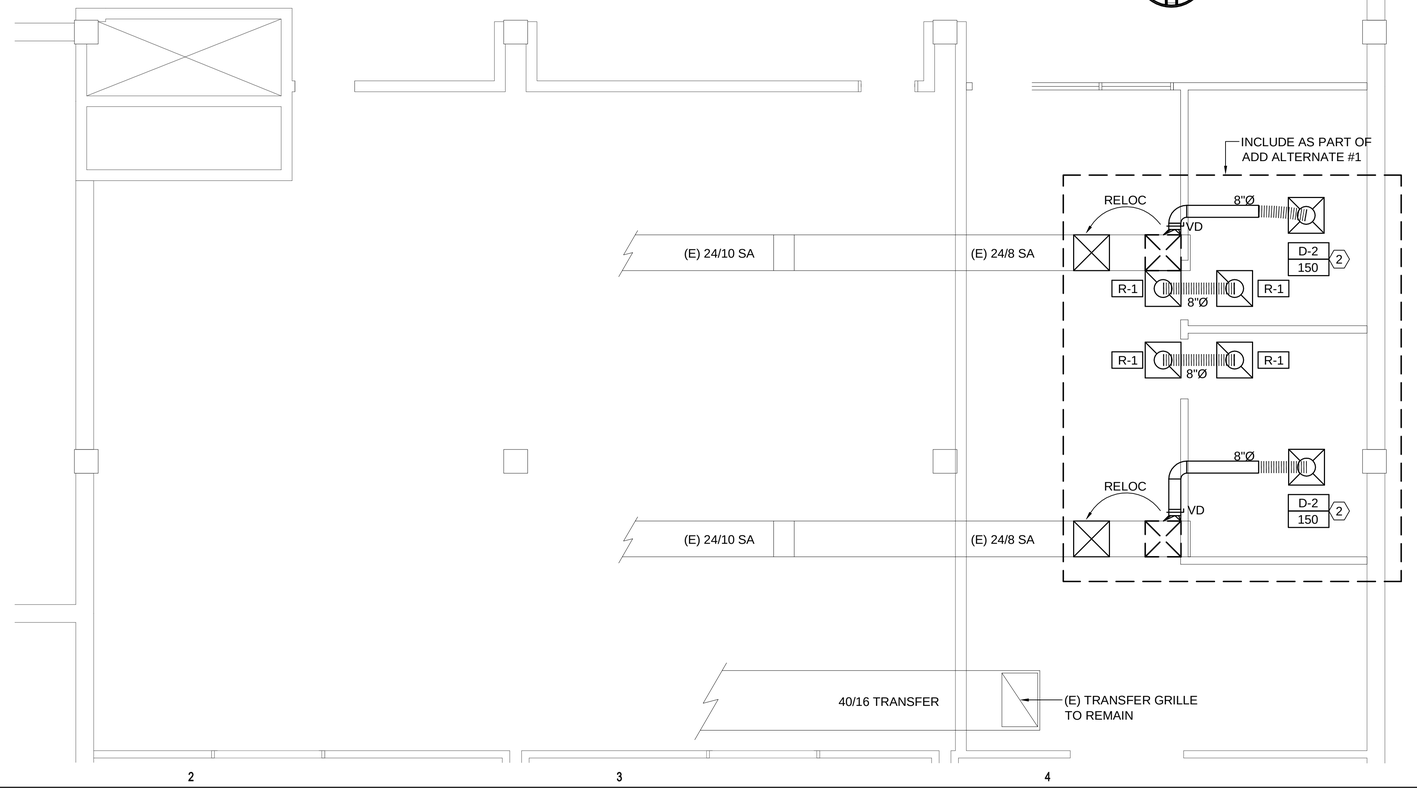
MECHANICAL DEMO PLAN

MD101



MECHANICAL PLAN

SCALE: 1/4" = 1'-0"



SHEET NOTES:

1. OPEN ENDED TRANSFER DUCT ABOVE CEILING.
2. MATCH EXISTING DIFFUSERS IN PARLORS.
3. INSTALL FAN POWERED BOX IN GENERAL LOCATION SHOWN ON PLAN. COORDINATE WITH DIVISION 16 TO RELOCATE WIRING, CONDUIT, ETC. SEE DETAIL C2/ME502

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MECHANICAL PLAN

ME101

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1) AT JOINTS: MIN. H. IN.	DRIVE SLIP / PLAIN S SLIP RECOM-MENDED GAGE	HEMMED S SLIP RECOM-MENDED GAGE	ALTER'NT BAR SLIP RECOM-MENDED GAGE	REIN-FORCED BAR SLIP RECOM-MENDED GAGE
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13 - 18	24	NONE REQUIRED	1	24	24	24	24
19 - 30	24	1"X1"X1/8" @ 60 IN	1	-	24	24	24
31 - 36	22	1"X1"X1/8" @ 60 IN	1	-	-	22	22

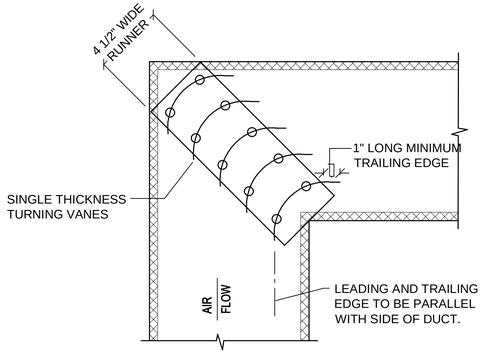
1. TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

D1 DUCT CONSTRUCTION DETAIL
SCALE: NONE

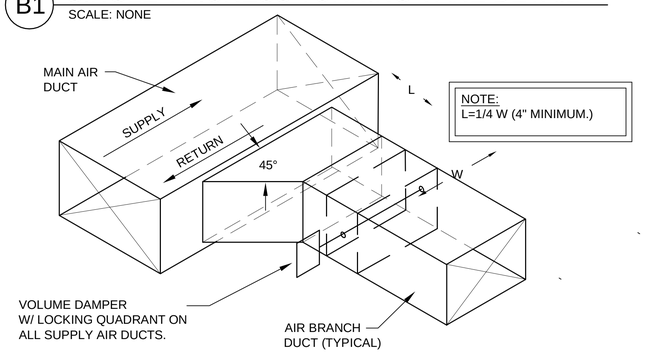
LOW PRESSURE ROUND DUCT CONSTRUCTION SCHEDULE

DUCT DIAMETER IN INCHES	MAXIMUM 2" W.G. STATIC POSITIVE: SPIRAL SEAM GAUGE	MAXIMUM 2" W.G. STATIC POSITIVE: LONGITUDINAL SEAM GAUGE	MAXIMUM 2" W.G. STATIC NEGATIVE: SPIRAL SEAM GAUGE	MAXIMUM 2" W.G. STATIC NEGATIVE: LONGITUDINAL SEAM GAUGE
3 thru 8	28	28	28	24
9 thru 14	28	26	26	24
15 thru 26	26	24	24	22
27 thru 36	24	22	22	20
37 thru 50	22	20	20	18

C1 LOW PRESSURE ROUND DUCT CONSTRUCTION DETAIL
SCALE: NONE



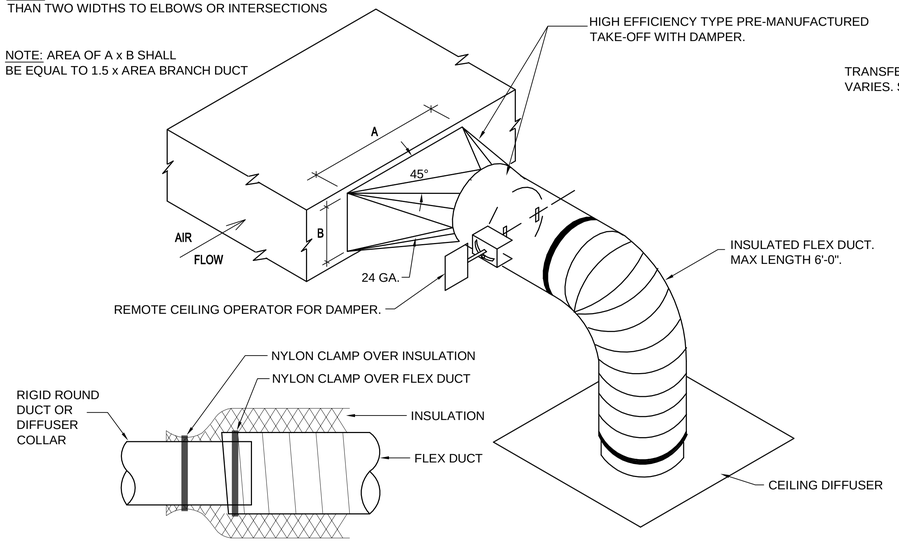
B1 SINGLE THICNESS TURNING VANE DETAIL
SCALE: NONE



A1 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
SCALE: NONE

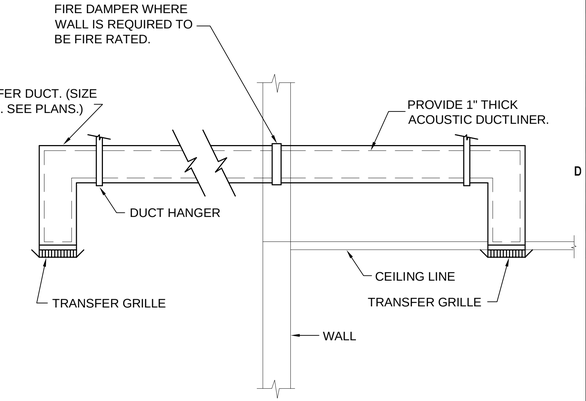
NOTE: TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS

NOTE: AREA OF A x B SHALL BE EQUAL TO 1.5 x AREA BRANCH DUCT

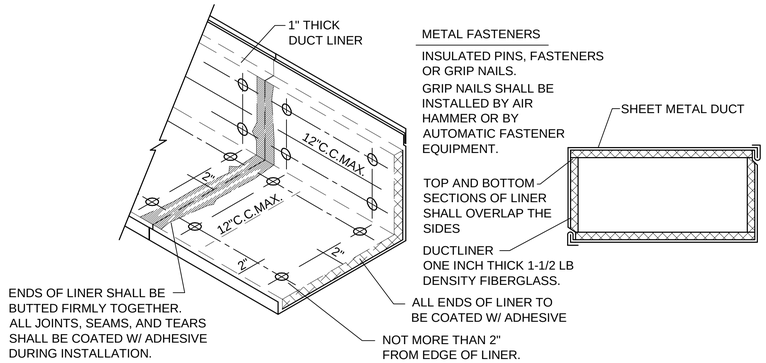


C3 DETAIL
SCALE: NONE

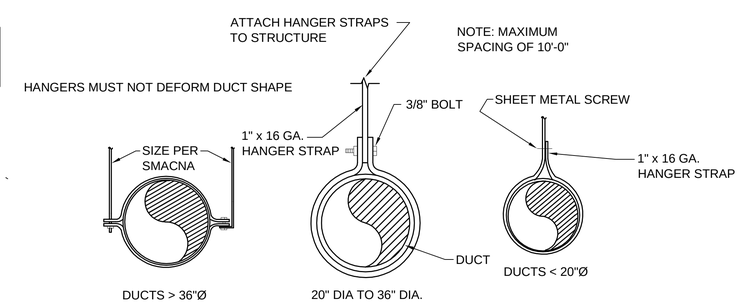
D3 SQUARE-TO-ROUND TAKE-OFF DETAIL
SCALE: NONE



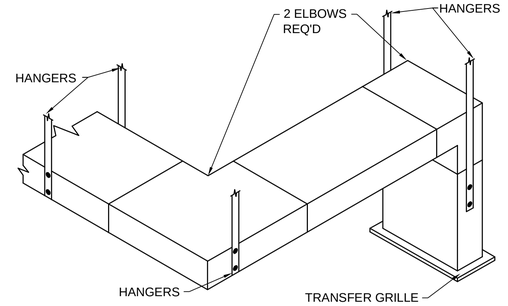
D5 TRANSFER GRILLE DETAIL
SCALE: NONE



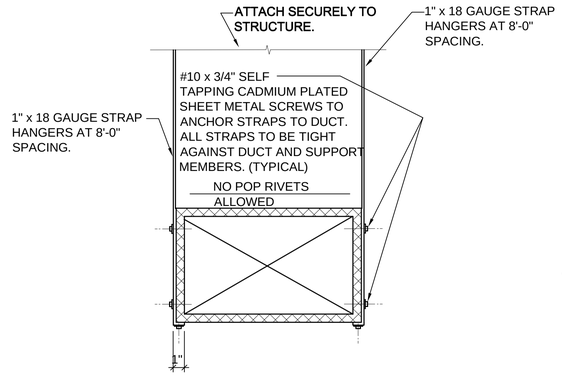
B3 DUCT LINER DETAIL
SCALE: NONE



A3 ROUND DUCT SUPPORT DETAIL
SCALE: NONE



B5 SOUND BOOT DETAIL
SCALE: NONE



A5 DUCT STRAP HANGER DETAIL
SCALE: NONE

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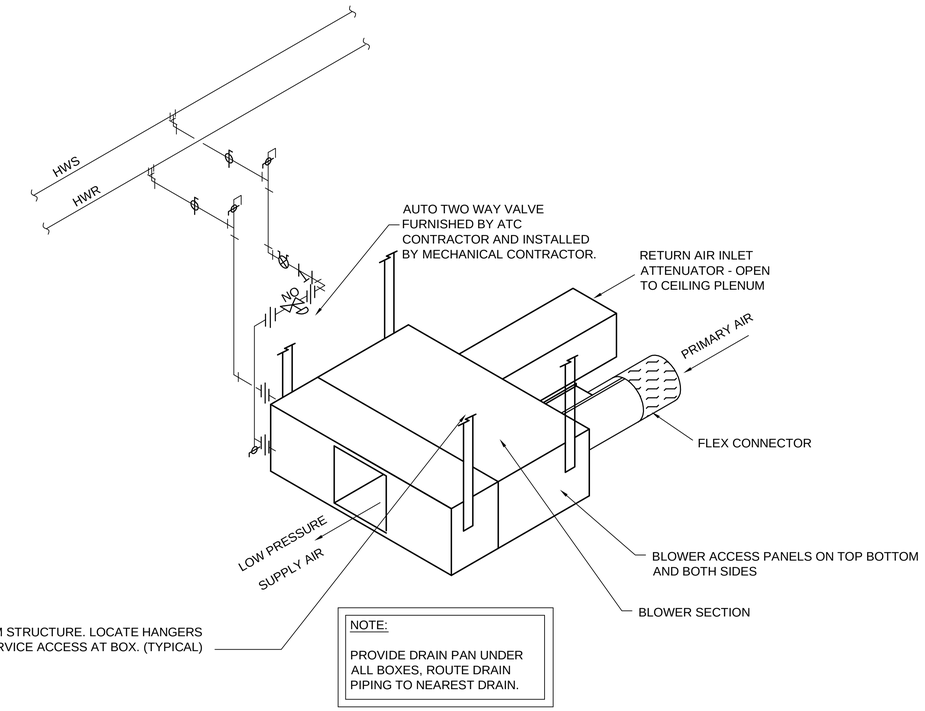
SHEET TITLE

MECHANICAL DETAILS

ME501



NOTE:

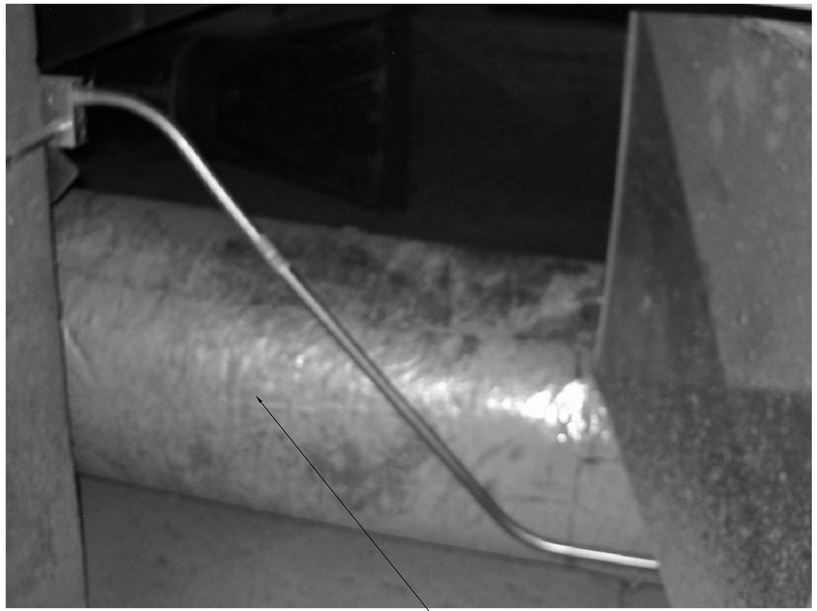
PROVIDE DRAIN PAN UNDER ALL BOXES, ROUTE DRAIN PIPING TO NEAREST DRAIN.

FAN POWERED CV (SERIES) BOX (W/ HEATING COIL) DETAIL

C2

SCALE: NONE

NEW SUPPLY DUCTWORK FROM MAIN TO SERVE STUDENT CENTER. PENETRATE WALL IN THIS AREA WITH 12" Ø DUCT. COORDINATE WITH G.C. TO CORE DRILL HOLE. FIELD VERIFY AND COORDINATE WITH EXISTING CONDITIONS.



NEW 12"Ø SUPPLY DUCTWORK FROM MAIN TO SERVE STUDENT CENTER. TAP OFF MAIN SUPPLY IN THIS AREA, THEN RUN DUCTWORK UP MECHANICAL CHASE.

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SHEET TITLE

MECHANICAL DETAILS

ME502

DIFFUSER SCHEDULE

SYMBOL	TYPE	MAX CFM	FACE SIZE	NCK SIZE	CEILING TYPE	BLOW	PATTERN	AIR DIST. A%	AIR DIST. B%	SCHEDULE NOTES
D-1 / CFM	CEILING	130	6/6	6"Ø	LAY-IN	4-WAY	B A	25	25	1,2,3
D-2 / CFM	CEILING	225	9/9	8"Ø	LAY-IN	4-WAY	B A	25	25	1,2,3
D-3 / CFM	CEILING	400	12/12	10"Ø	LAY-IN	4-WAY	B A	25	25	1,2,3

(1) PROVIDE LAY-IN CEILING AND BORDER / MODULE AS REQUIRED. SEE ARCHITECTURAL CEILING PLANS.

(2) MAXIMUM NC 25 AT CFM LISTED.

(3) PRICE MODEL SMD

REGISTER, LOUVER & GRILLE SCHEDULE

SYMBOL	TYPE	SERVICE	MAX CFM	NOMINAL SIZE	THROAT SIZE	CEILING TYPE	COMMENTS	SCHEDULE NOTES
R-1	CEILING	TRANSFER	185	8/8	8"Ø	LAY-IN		1,2,3,4
R-2	CEILING	TRANSFER	260	10/10	10"Ø	LAY-IN		1,2,3,4
R-3	CEILING	TRANSFER	470	14/14	12"Ø	LAY-IN		1,2,3,4

REGISTER. LOUVER AND DIFFUSER SCHEDULE NOTE S:

(1) MAXIMUM NC = 25 @ MAXIMUM CFM NOTED.

(2) SHALL BE PRICE 535 OR EQUAL BY OTHER APPROVED MANUFACTURERS. (SEE SPECIFICATIONS).

(3) SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

(4) FINISH WITH COLOR AS DIRECTED BY ARCHITECT.

FAN POWERED VAV BOX SCHEDULE

SYMBOL	SERVES	INLET DIA. (INCHES)	OUTLET (INCHES)	PRIMARY AIRFLOW		HEATING (40° DELTA T)							NC LEVEL	ELECT.	MANUF. & MODEL #	SCHEDULE NOTES
				MAX CFM	MIN CFM	COIL EAT	COIL LAT	COIL BTUH	FLOW GPM	EWT	ROWS	(FT) PD				
FC 1	STUDENT LOUNGE 20	8"	12x10	745	245	70	105	25,000	2.5	180	2	2.0	25	¼ HP 115/1/60	PRICE FDCG 3008	-
FC 2	STAFF OFFICE 20D, 20E	6"	12x10	215	70	70	105	7,000	0.70	180	2	2.0	20	⅛ HP 115/1/60	PRICE FDCG 2006	-
FC 3	STAFF OFFICE 20B, 20C	6"	12x10	280	90	70	105	9115	0.91	180	2	2.0	20	⅛ HP 115/1/60	PRICE FDCG 2006	-
FC 4	DIRECTORS OFFICE 20A	6"	12x10	260	85	70	105	8463	.85	180	2	2.0	20	⅛ HP 115/1/60	PRICE FDCG 2006	-

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MECHANICAL SCHEDULES

ME601

PANELBOARD SCHEDULE

PANEL L | TYPE EXISTING | 120/208 VOLTS | 3 PH | 4 W

MOUNTING: X FLUSH / SURFACE

DIMENSIONS: 20 W, 6 D (in.), H

LOCATION HALL | AMP 225

X LUGS / BREAKER; MAINS SUBFEED LUGS / ISO GROUND / 200% NEUTRAL

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD A	B	C	RIGHT PHASE LOAD A	B	C	CIR. NO.	AMPS	POLE	WIRE SIZE	ITEM
EXISTING LOAD	20	1		1							2	20	1		EXISTING LOAD
EXISTING LOAD	20	1		3							4	20	1		EXISTING LOAD
EXISTING LOAD	20	1		5							6	20	1		EXISTING LOAD
EXISTING LOAD	20	1		7							8	20	1		EXISTING LOAD
EXISTING LOAD	20	1		9							10	20	1		EXISTING LOAD
EXISTING LOAD	20	1		11							12	20	1		EXISTING LOAD
RECEPTACLES	20	1	12	13	1000			1000			14	20	1	12	RECEPTACLES
EXISTING LOAD	20	1		15							16	20	1		EXISTING LOAD
EXISTING LOAD	20	1		17							18	20	1		EXISTING LOAD
EXISTING LOAD	20	1		19							20	20	1		EXISTING LOAD
EXISTING LOAD	20	1		21							22	20	1		EXISTING LOAD
EXISTING LOAD	20	1		23							24	20	1		EXISTING LOAD
EXISTING LOAD	20	1		25							26	20	1		EXISTING LOAD
EXISTING LOAD	20	1		27							28	20	1		EXISTING LOAD
RECEPTACLES	20	1	12	29			1000				30	20	1		SPARE
				31							32				
				33							34				
				35							36				
				37							38				
				39							40				
				41							42				
					1000	0	1000	1000	0	0					
					2000	0	1000	TOTAL							CONNECTED LOAD TOTAL
					16.67	0.00	8.33	AMPS/PHASE							3000 VA

EQUIP RATING _____ AMPS RMS SYM.

FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG NUMBER	VOLTS	LAMPS
A	2 X 4 3 LAMP T8 LAY-IN INDIRECT FLUORESCENT FIXTURE WITH ELECTRONIC BALLAST	LITHONIA 2AVG 332 MDR MVOLT GEB10IS	120	(3) F032/835
B	2 X 4 3 LAMP T8 LAY-IN PARABOLIC LOUVER FLUORESCENT FIXTURE WITH ELECTRONIC BALLAST	LITHONIA 2PM3 G B 332 18 LD MVOLT GEB10IS	120	(3) F032/835

LIGHT FIXTURE ABBREVIATION SCHEDULE

NOTE: NOT ALL ABBREVIATIONS WILL NECESSARILY BE USED.

A.F.F.	ABOVE FINISHED FLOOR
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT
SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT
MOD	MODIFY STANDARD LIGHT FIXTURE AS INDICATED

LIGHT FIXTURE GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOUVER REQUIREMENTS AS REQUIRED.
5. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.

BIDDING REQUIREMENTS

1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.
2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED.
3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND/OR CONTRACTORS.
4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

PRIOR APPROVAL REQUIREMENTS

1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.
2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
3. PRIOR APPROVALS SHALL BE SIGNED BY A PRINCIPAL OF THE SUBMITTING ORGANIZATION STATING THAT THEY HAVE PREPARED AND/OR REVIEWED THE SUBMITTAL AND THAT THE PRODUCTS PROPOSED ARE EQUIVALENT TO THOSE SPECIFIED. ANY EXCEPTIONS SHALL BE SO NOTED.
4. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVAL WILL NOT BE GIVEN ON ANY ITEM.
5. IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.
6. PRIOR APPROVALS SHALL CONSIST OF TWO SETS OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. FAXES ARE NOT ACCEPTABLE. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED, WITH NON-APPLICABLE INFORMATION CROSSED OUT. COMPLETE PHOTOMETRIC DATA SHALL BE PROVIDED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL NOT BE APPROVED.
7. SUPPLY POINT-BY-POINTS AS REQUIRED BY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. SAMPLE FIXTURES MUST BE SUPPLIED WITH A CORD, PLUG AND 120V BALLAST.

LIGHTING SHOP DRAWING REQUIREMENTS

1. REFER TO SPECIFICATIONS 16001, 16510 & 16551.
2. MUST INCLUDE BALLAST AND LAMP CUT SHEETS.
3. LINEAR LIGHTING MUST INCLUDE DETAILED DRAWINGS WITH SUPPORT DETAILS, STEM LOCATIONS AND HAVE ALL LENGTHS IDENTIFIED WITH STEM LOCATIONS.
4. COLOR SAMPLES MUST BE INCLUDED IN FIRST SUBMITTAL.
5. CUT SHEETS MUST BE STAMPED BY THE FACTORY REPRESENTATIVE'S COMPANY NAME.
6. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, OWNER, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.
7. PROVIDE A LIST OF SPARE PARTS, EQUIPMENT & LAMPS.

DEMOLITION NOTES

1. COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 16.
2. RELOCATE, REWIRE AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
3. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
4. LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
5. EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
6. REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
7. REMOVE EXISTING LIGHT FIXTURES WHICH ARE NOT TO BE REUSED, PLACE IN CARTON, LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.
8. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
9. DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.

INDEX OF ELECTRICAL DRAWINGS

ELECTRICAL SYMBOL SCHEDULE

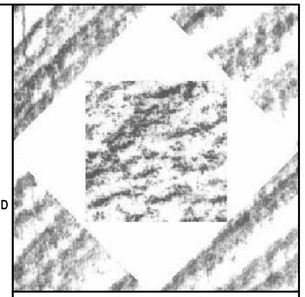
1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISH FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
6. HEIGHT TO BE THE LOWER OF EITHER 80" A.F.F. OR 6" BELOW CEILING.
7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
8. DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.
9. COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
10. SUBSCRIPT DENOTES NEMA CONFIGURATION.
11. HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, TWO WIRE HOME RUN TO PANEL		
	2 CIRCUIT, 3 WIRE, COMMON NEUTRAL HOME RUN		
	3 CIRCUIT, 4 WIRE, COMMON NEUTRAL HOME RUN		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	CONDUIT UP		
	CONDUIT DOWN		
	CONDUIT STUB LOCATION	CAP CONDUIT	
	CEILING LIGHT FIXTURE	CEILING	1.
	WALL LIGHT FIXTURE	AS NOTED	1.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.
o	FLUORESCENT LIGHT FIXTURE	AS NOTED	1
	CEILING MOUNTED EXIT LIGHT	CEILING	1.3.8.
	WALL MOUNTED EXIT LIGHT	AS NOTED	1.3.8.
$	SINGLE POLE SWITCH	+4'-0"	2.
$3	THREE-WAY SWITCH	+4'-0"	2.
$P	SWITCH WITH PILOT LIGHT	+4'-0"	2.
$	MOMENTARY CONTACT SWITCH, CENTER POSITION OFF	+4'-0"	2.
	OCCUPANCY SENSOR	CEILING	
	OCCUPANCY SENSOR	+4'-0"	2.
PP	POWER PACK	CEILING	SEE DIAGRAM, SPEC.
	DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.
A	DUPLEX RECEPTACLE		9.
WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.
	FOURPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.
	DATA OUTLET	+16" OR AS NOTED	9. 11.
	TELEPHONE OUTLET	+16" OR AS NOTED	9. 11.
	TELEPHONE/DATA OUTLET	+16" OR AS NOTED	9. 11.
J	JUNCTION BOX ('F' IN FLOOR)	AS NOTED	
	NON-FUSED DISCONNECT SWITCH	+5'-0"	5.
F	FUSED DISCONNECT SWITCH	+5'-0"	5.
T	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+4'-0"	2.
	PANEL BOARD	TOP AT +6'-0"	
F	FIRE ALARM MANUAL STATION	+4'-0"	2.
H	FIRE ALARM SIGNAL HORN/STROBE	+6'-8"	6.
S	SMOKE DETECTOR	CEILING	
H	HEAT DETECTOR	CEILING	
M	SECURITY MOTION DETECTOR		MOUNT AS PER. MAN
ES	ELECTRIC DOOR STRIKE		
CR	ACCESS CONTROL CARD READER	+4'-0"	2.
842	ARCHITECTURAL ROOM NUMBER		
A	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
EQ 34	EQUIPMENT NUMBER		

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED UNDER DIVISION 15 WITH APPROVED MECHANICAL SHOP DRAWINGS BEFORE BEGINNING ROUGH IN.
4. SEE SECTION 16510 OF THE SPECIFICATION REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
8. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
11. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 165' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH MINIMUM #10 CONDUCTORS.
12. PROVIDE NEW TYPEWRITTEN SCHEDULE(S) IN AFFECTED PANEL(S) INDICATING ROOM NUMBERS.



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Salt Lake Community College
Redwood Campus
Salt Lake City, Utah

MARK	DATE	DESCRIPTION

DATE:	19 OCTOBER 2005
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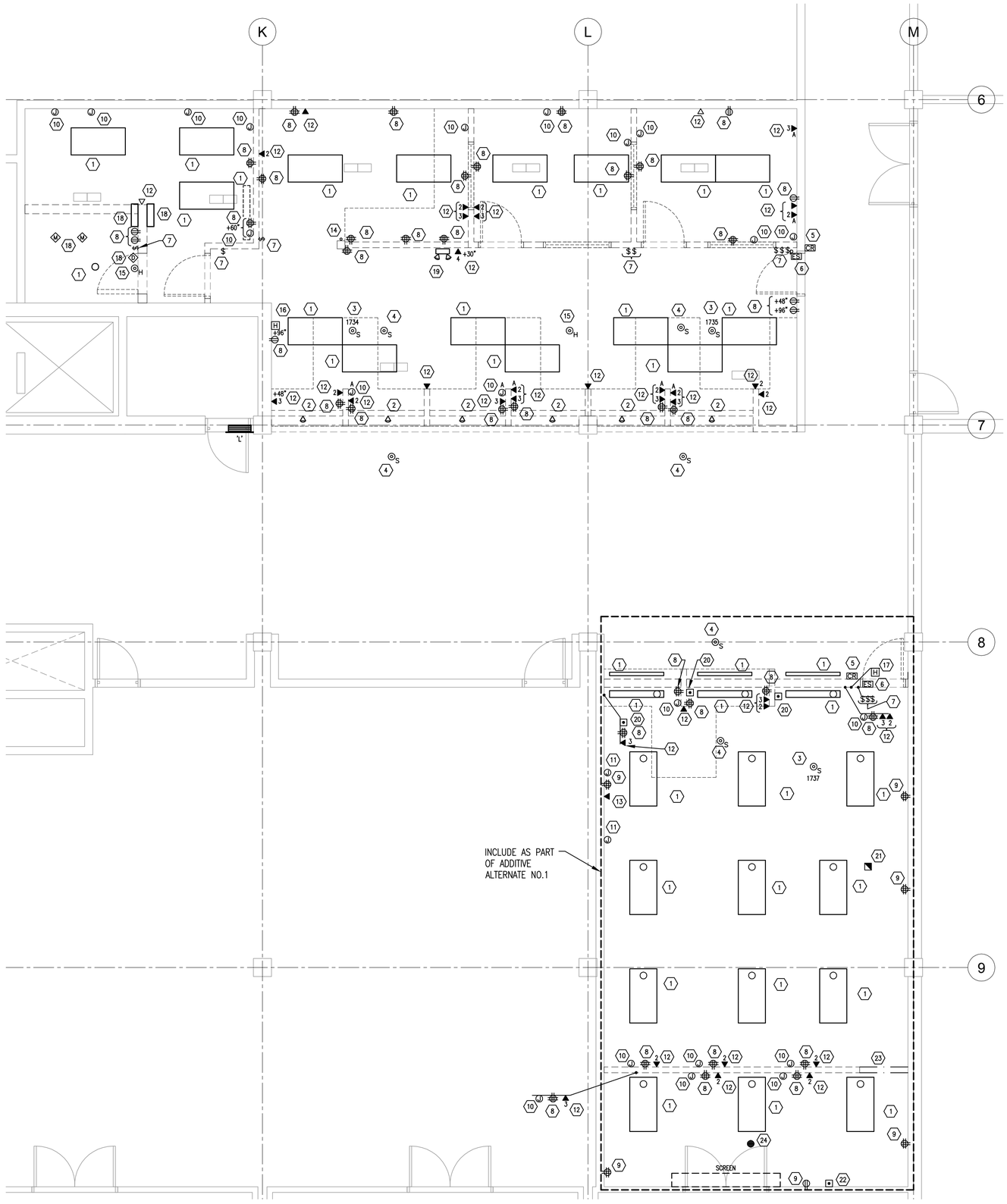
HFSA PROJECT NO:	0517.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	RLW
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SYMBOLS, SCHEDULES AND NOTES

E0.1

SHEET OF



PLAN NORTH

ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

0 2' 4' 8'

SHEET KEYNOTES

1. EXISTING LIGHT FIXTURE TO BE REMOVED. REMOVE FIXTURE WHIP TO JUNCTION BOX IN CEILING.
2. EXISTING MONO POINT TRACK HEAD TO BE REMOVED AND TURNED OVER TO THE OWNER.
3. EXISTING SMOKE DETECTOR TO BE RELOCATED. SEE POWER PLAN SHEET E3.1 FOR NEW REQUIREMENTS.
4. EXISTING SMOKE DETECTOR TIED TO FIRE DOORS TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRE.
5. EXISTING CARD READER TO BE REMOVED AND TURNED OVER TO THE OWNER. REMOVE ASSOCIATED CONDUIT AND WIRE.
6. EXISTING ELECTRIC STRIKE TO BE REMOVED. REMOVE ASSOCIATED WIRING.
7. EXISTING SWITCH TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRING.
8. EXISTING RECEPTACLE TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRING.
9. EXISTING RECEPTACLE TO BE REWORKED. SEE POWER PLAN SHEET E3.1 FOR NEW REQUIREMENTS.
10. EXISTING JUNCTION BOX TO BE REMOVED. REMOVE ASSOCIATED CONDUIT.
11. EXISTING JUNCTION BOX TO REMAIN. PROVIDE NEW BLANK COVER PLATE.
12. EXISTING TELECOMMUNICATIONS OUTLET TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND CABLING.
13. EXISTING TELECOMMUNICATIONS OUTLET TO BE REWORKED. REMOVE DEVICE AND CABLING. PROVIDE NEW BLANK COVER PLATE.
14. EXISTING CCTV CAMERA CABLING TO BE REMOVED.
15. EXISTING FIRE ALARM HEAT DETECTOR TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRE.
16. EXISTING FIRE ALARM HORN/STROBE TO REMAIN.
17. EXISTING FIRE ALARM HORN/STROBE TO BE RELOCATED. SEE POWER PLAN SHEET E3.1 FOR NEW REQUIREMENTS.
18. EXISTING SECURITY SYSTEM AND DEVICES TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRING.
19. EXISTING EMERGENCY LIGHTING UNIT TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRE.
20. EXISTING CONTROL STATION FOR ROLLING DOOR TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRE.
21. EXISTING POWER POLE TO BE REMOVED. REMOVE ASSOCIATED CONDUIT, WIRE AND CABLING.
22. EXISTING CONTROL STATION FOR MOTORIZED SCREEN TO REMAIN.
23. EXISTING SURFACE RACEWAY TO BE REMOVED. REMOVE ASSOCIATED CONDUIT AND WIRING.
24. EXISTING SPEAKER TO BE RELOCATED. SEE POWER PLAN SHEET E3.1 FOR NEW REQUIREMENTS.

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SHEET TITLE

ELECTRICAL DEMOLITION PLAN

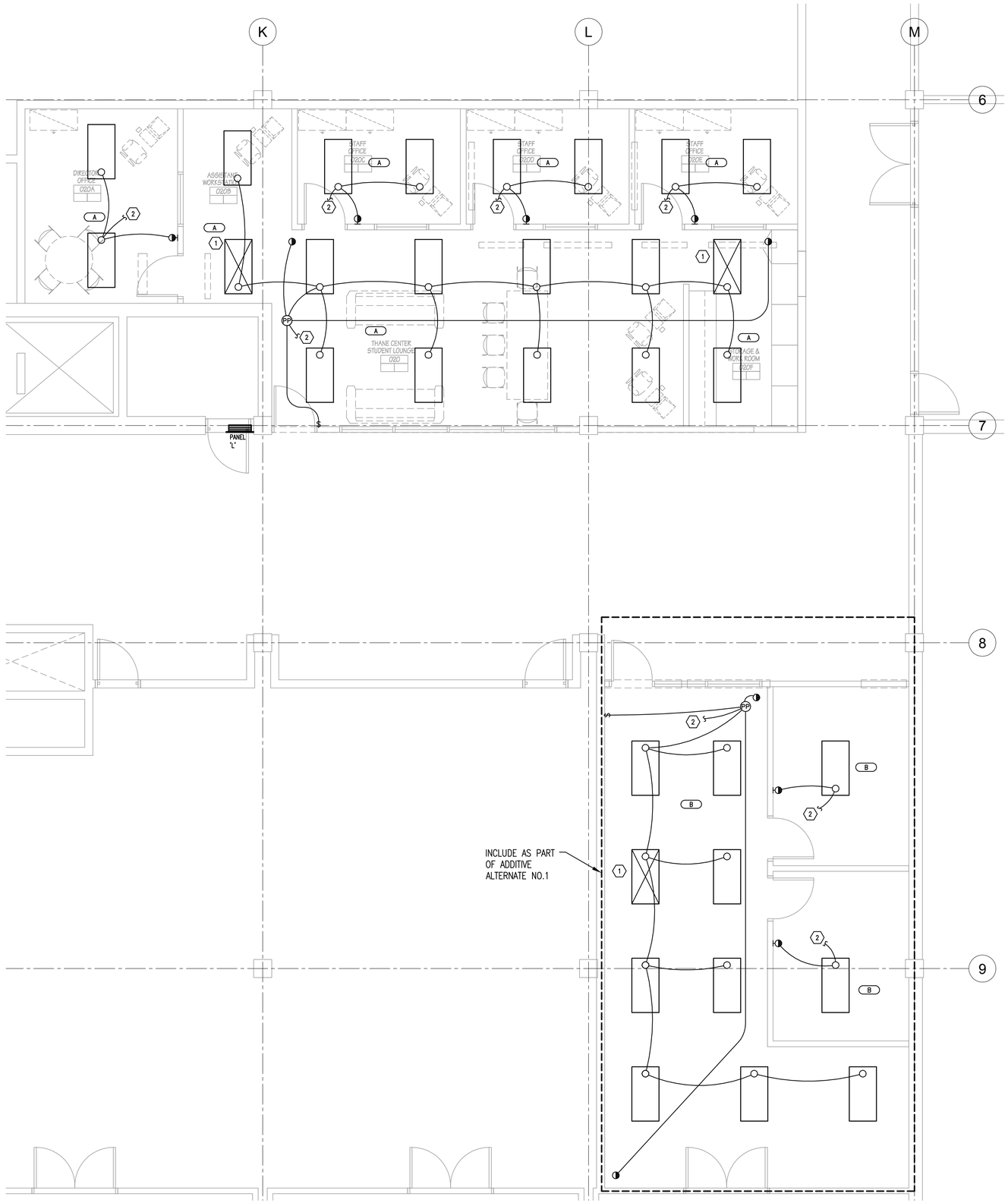
E1.1

SHEET OF

By: sharon; Dec. 08, 2005 - 1:32pm
F:_2005_301A\DRAW\301A-E11.dwg

SHEET KEYNOTES

1. PROVIDE A LITHONIA 'PS1400' EMERGENCY BATTERY BALLAST IN BALLAST CHANNEL OF FIXTURE. CONNECT TO UNSWITCHED POWER LEG.
2. CONNECT TO EXISTING LIGHTING CIRCUIT THIS AREA.



PLAN NORTH

LIGHTING PLAN
1/4" = 1'-0"

0 2' 4' 8'

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SHEET TITLE

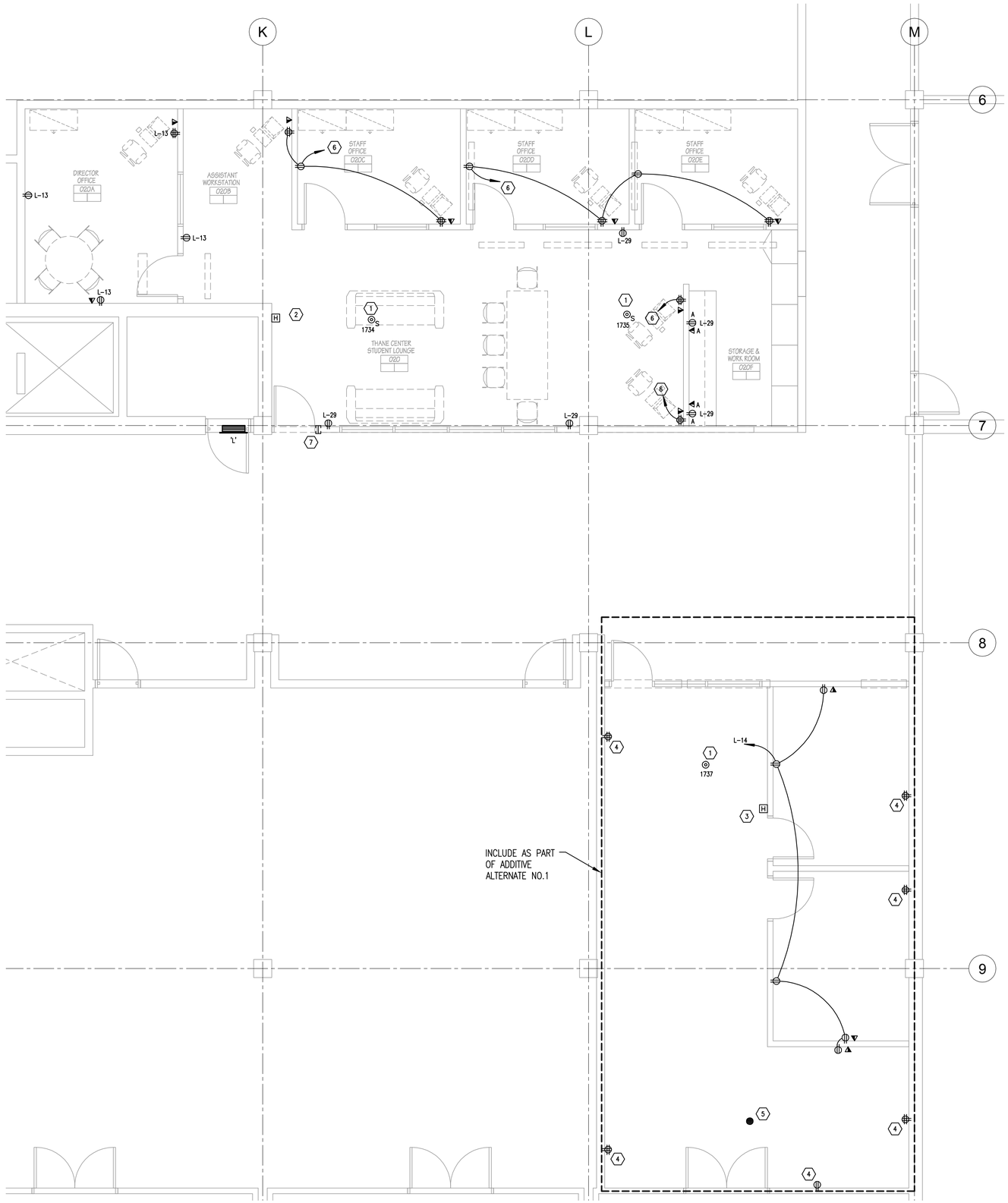
LIGHTING PLAN

E2.1

SHEET OF

SHEET KEYNOTES

1. RELOCATED SMOKE DETECTOR. EXTEND CONDUIT AND WIRING TO NEW LOCATION.
2. EXISTING FIRE ALARM HORN/STROBE.
3. RELOCATED FIRE ALARM HORN/STROBE. EXTEND CONDUIT AND WIRING TO NEW LOCATION.
4. EXISTING RECEPTACLE LOCATION. PROVIDE NEW DEVICE AND COVER PLATE.
5. RELOCATED SPEAKER. EXTEND CONDUIT AND CABLING TO NEW LOCATION.
6. CONNECT TO AVAILABLE 20 AMP CIRCUIT IN PANEL 'L' THAT BECOMES AVAILABLE DURING DEMOLITION.
7. PROVIDE A 3" SLEEVE THRU WALL FOR DATA CABLES.



PLAN NORTH

POWER PLAN
1/4" = 1'-0"

0 2' 4' 8'

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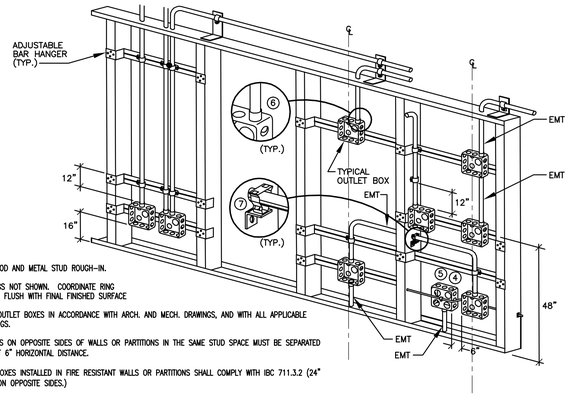
SHEET TITLE

POWER PLAN

E3.1

SHEET OF



NOTES:

1. TYP. FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISHED SURFACE
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCH. AND MECH. DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
5. ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 711.3.2 (24" SEPARATION ON OPPOSITE SIDES.)
6. INSULATED THROAT EMT CONNECTOR.
7. CADDY FASTENER, THROUGH STUD CABLE/CONDUIT SUPPORT "FB129".

DIAGRAM H004 TYPICAL ROUGH IN REQUIREMENTS
NTS

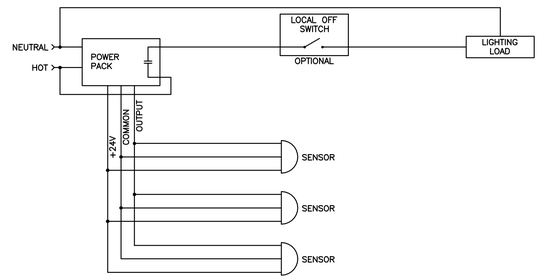


DIAGRAM S009 MULTIPLE SENSOR CONTROLLING ONE POWER PACK
NTS

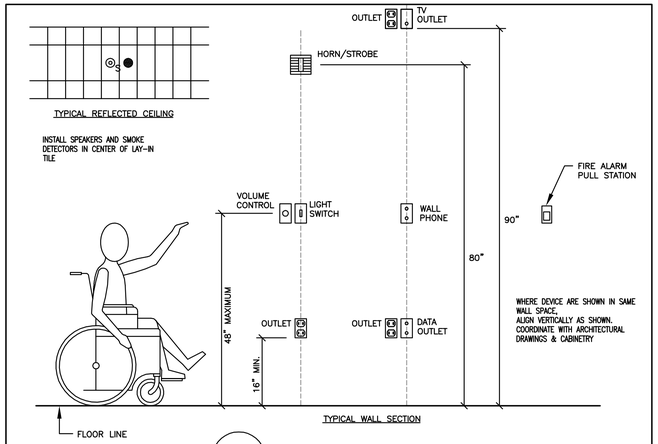


DIAGRAM R001 DEVICE MOUNTING HEIGHTS
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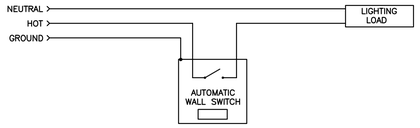

DIAGRAM S006 WALL SWITCH SENSOR
NTS

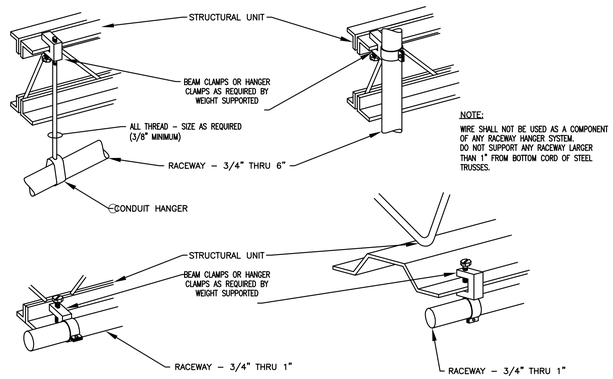

DIAGRAM H003 TYPICAL RACEWAY SUPPORT METHODS
NTS

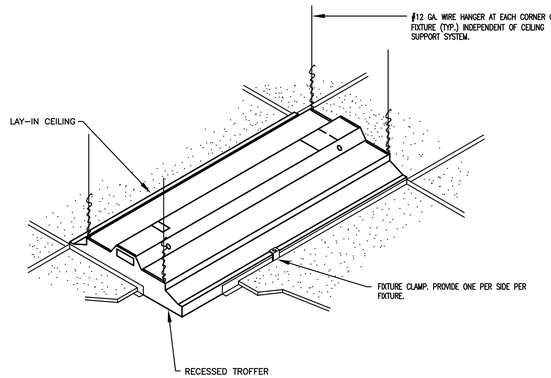

DIAGRAM A001 TYP. RECESSED FIXTURE MOUNTING
NTS

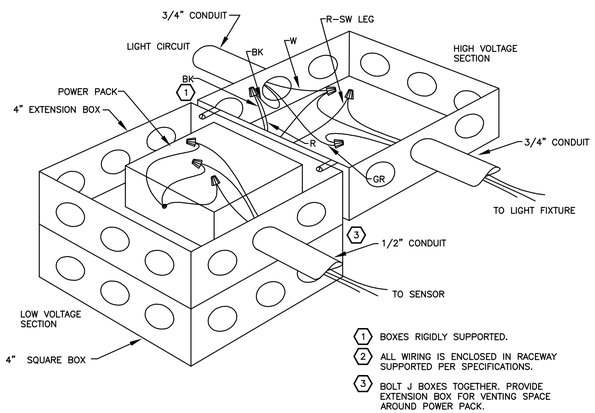

DIAGRAM S016 OCCUPANCY SENSOR POWER PACK
NTS

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Salt Lake Community College
Redwood Campus
Salt Lake City, Utah

MARK	DATE	DESCRIPTION

DATE:	19 OCTOBER 2005
AGENCY PROJECT NO:	05301A
HFSA PROJECT NO:	0517.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	RLW
DWG TYPE:	ELECTRICAL

ARCHITECTURAL PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL DIAGRAMS

E4.1

SHEET OF